

NOTES

MYSORE GOVERNMENT SECRETARIAT

File No. *PWD 17 BK F 66*

Department of.....

Section....*special*.. *Irrigation* Section.

Subject :

~ *Bhima Ujani Irrigation Project across Bhima River in Sholapur District Maharashtra*

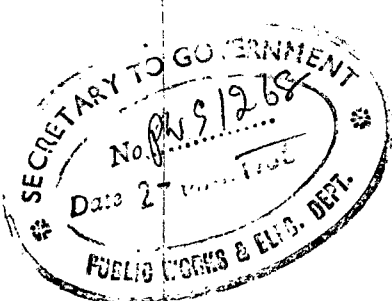
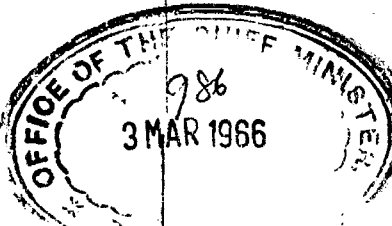
References :

Date	To whom sent	Notes and instructions
	5566 H PW & P 2222 H PW & P 8866 sp. Irr. & P	pt. preserve. 31/5/84 u/s (Tech 2) P.W. & elec. (S. M. M.) Sept.
	B Not page 2 L Not page 16 Not 19-16 h 2/2/66 16/11/67	

~ *molpn.*

Subject.....

File No. MD/14/12/66

Reference and markings	Notes and Orders	Para Numbers
 	1. The Project referred to in the letter of <i>Ministry for Irrigation Maharashtra Govt.</i> relates to Bhima Project 1st Stage i.e. construction of weir across Bhima River near Ujjani village for diversion of water and to irrigate one lakh acres (1st stage). The project is one of the third plan schemes as contemplated by Maharashtra Govt. 2. Bhima River is a Tributary to Krishna River and it is calculated that the total yield in Bhima River is about 450 TMCFT. of which 400 TMCFT. in the Upper Bhima and 50 TMCFT. in the Lower Bhima basin. Out of this 450 TMCFT. as per K.G. Commission Report the utilisation by Maharashtra Govt. in the Upper Bhima Basin is 293.8 unit, thus leaving 106.2 units for utilisation lower down. The requirement of Mysore Project in the Bhima basin is 73.9 TMCFT. thus there is sufficient yield for our projects in Bhima basin. Hence the Bhima Lift Irrigation scheme Stage I of Maharashtra Govt. will not in any ~~water~~ affect our interest in Bhima basin. 3. A draft of the message to be sent to the Govt. of Maharashtra is also herewith enclosed which may be perused. (M. CHANNAPPA) DY. SECRETARY TO GOVT. P.J.D. (I). Secy P. CHANDAPPA PATEL Secy P. W. & Elec. Dept. Crf Approved as amended 27/3 (prev-1) us (T) cm & Secy 14/3/66	(1) (2) (3) (4) (5) (6)

Stitching space

Reference and markings	Notes and Orders	Para Number
	4 9/3 These papers may be filed if approved. <u>Soc</u> 9/3 9 9/3 Might be received under D after review. 28 9/3 Recd - D 4 9/3	4 9/3 7 C MYSORE GOVT. SECRETARIAT No 114/ID/Sp/66 7 JAN 1953 P. D. SPECIAL SECTION

Handwritten signature

Serial
No.

Receipt No. 1071 Dt. 10-8-1966.

Letter from Chief Engineer Investigation of projects dated 8-8-66 placed at page 1 & 2 of C.F. may please be perused. Referring to the news item appeared in "The Hindu" dated 9-3-66 he states that there appears to be a proposal to construct a dam across the Bhima River in the portion passing through Maharashtra State before it enters the Mysore State. and that Union Minister for Defence performed the "Bhoomi pooja" for the Bhima-Ujani Irrigation project in Sholapur District Maharashtra. It has been disclosed in the news item that the estimated cost of the project will be Rs. 32.42 crores and it will irrigate an area of 3 lakhs acres - 137 foot high 7650 foot long dam will have a storage capacity of 1,07,000 cft. million cft. The 267 miles long Canal system will start on the left side of the dam at ujani village and will then be bifurcated on both sides with a number of subsidiaries in six taluqs of the district Sholapur.

- 1) Since the Bhima River is an Inter State River the C.E. requests that the details of the said project may please be obtained from the Central water and power Commission as well as from the Maharashtra Government for detailed study for its implications implications on the project in the Mysore State on the same River.

Submitted for perusal and orders.

- 3) The available file pertaining to Construction of Bhima project - G.O. from S.D. Section is placed before for perusal & orders.

- 4) Bhima Project according to information available is a project sanctioned in Maharashtra for irrigating 2.88 lakh aacs. This project was inaugurated by the Union Minister for Defence on 7-3-66.

The CE. IP. desires that details of this

PWD 35/10/66

Received restrictions.

as per 17/8

It is wrong

Verified in the Section.

no file pertaining to

Bhima project as

available in the Section

S.D. Section may be

referred to them for

on the subject & the same

available in the file.

S.D. Section

Note - Contn. Sholapur

May be referred to

Co-Ord. S.D. Section

on instructions of U.S.

28/8/66 S.D. Section

Project be obtained from Govt. of India
for examination with regards to our
proposals down below. We should first
ascertain the details from Govt. of
Maharashtra and then go to Govt. of
India. in case of no reply. A letter
addressed to G.O.I. in this regard
is put up for approval.

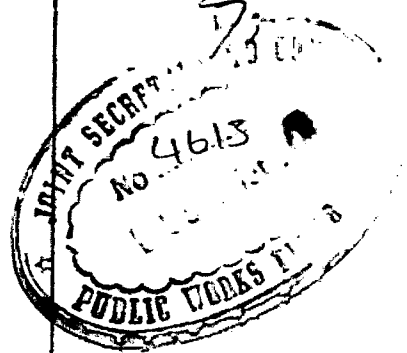
Serial
No.

I remember some time
back a letter from Maha-
- rashtra Govt. enclosing
the invitation to our C.O.
for the inaugural function of
this project has been sent
and the same has been
examined and a letter from
our C.O. to C.O. of
Maharashtra was sent.
Where are these papers?

Is
Is
M. CHANNAPPA
Dy. Secy. to Govt. P.W.D. (Engg.)

File
3/9.
Since there is no
file 2.

a) Some letter @ p. 3
6/9
Issued
6/9



Submitted: A Reminder to Govt. of Maharashtra
is placed at page 5 of C.F. for perusal and approval.

3/6/66

S.R.
Report from Maharashtra
for its review
is in the file
3/6/66

Receipt No 1454 from the under secretary
to the Govt. of Maharashtra - dated 27th
February -

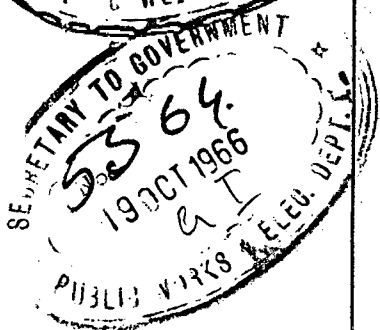
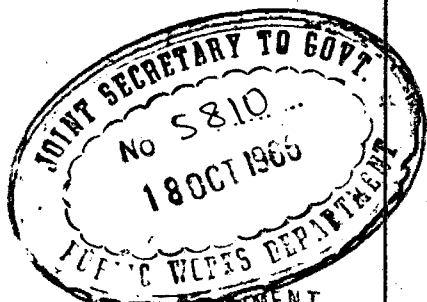
For perusal. The Maharashtra Govt. have
requested to obtain the details of this
project from the Central Board and
Power Commission as decided in
Technical Committee's meeting.

P. 57 C. 7

Serial
No.

11) For orders whether the Central Water and Power Commission may be addressed on the matter.
14/10/66

(12) The Govt. of Maharashtra have taken up for construction of Dam across the Bhima River near Ujani in Sholapur District. The Inauguration of this Project was performed by the Union Minister for Defence on 7-3-1966. Since the description of the Project was reported in the Press (Please see at Page 2/c.f) was different from the details given with regards to this Project in the report of the K.G. Commission, The Govt. of Maharashtra was addressed to furnish this Govt. details regarding this Project. In reply, the Govt. of Maharashtra have now informed that we may obtain the information in this regards from the Central Water and Power Commission as decided in the Technical Committee's Meeting — Please see at Page 5/c.f. A Draft letter addressed to the Chairman, C.W. & P.C. in this regard is placed at Page 6/c.f. for kind perusal before issue.



DS
JS
Sec. and M. E. P.W. & Elec. Dept.
Jt. Secy. to Govt. P.W.D. (E)
17/10/66
M. CHANNAPPA
13) 1/10/66

15) For perusal before issue

~~Minister for P.W. & E.~~
Minister for P.W. & E.

CHANDAPPA PATEL
Secy. P. W. & Elec. Dept.
21/10/66

16) V. P. Patil
24/10
(VEERENDRA PATIL),
Minister for Public Works.

17) 19/10/66
18) 21/10/66

21/10/66

Serial
No.

Submitted; The information asked for has not been received from Govt. of India. It is for order whether a reminder should be issued.

A reminder is also put up in
Government orders.

17/11/65.

Recd on 2.12.65

Recd/P
(1.12.66)

4
17/11

21) Submitted for perusal and approval as per para
20 ante

21/11/66
21/11

22) Done
4
7/12/66

Receipt No. 94 Dt. 10-1-1967.

23) Letter No. F.No. E/15/66-TE dated 3-1-1967 from Govt. of India, Chairman C.W.P.C. is placed at pages 10 & 11 of C.F. may please be perused

"Order of Secy. P.W.E. Dept. on P.U.D"

"P.P."

Sntd/ dt 6.1.67.

Secy;

24) The letter of the Chairman C.W. & P. Commission
received in reply to our letter dated 11.66
placed at page 7 of C.F. very kindly be
seen. He has furnished a copy of the
minutes of the third meeting of the
Godavari Krishna Technical Committee
held at New Delhi on 8.1.66
requiring supply of copies of the
Confer.

project reports to concerned States etc. and
has requested to take action accordingly

The minutes of the meeting may kindly be seen
at page 11 of C.F. in which it is decided that in case
the State Government copies of the reports, they have been
obtained by addressing the Ministry of Irrigation &
power.

25) For perusal & orders.
11/1/67

26) Send a copy of the letter on course
along with its enclosure to CE. (Tmr) for his
remarks.

①
p. 12 of C.F.

27) Shubert with a diag for approval.
15/1/67

28) See some

4/1/67

13/1/67

28) Receipt No. 375 from the Chief Engineer Investigation
of Projects Bangalore.

29) letter NO. CEI. KGE 2 TA4 Dt. 7.2.67 from C.E. G.O.P.

Placed at pages from 15 to 19 of C.F. may please perused.

30) The Chief Engineer has provided one that of
concerning the Banm. - vijani project
the - notices - of Nyma project - will be
effective that the Govt of India in the -

13/12/67

6)

Subject:

Letter of Bhima -
 Nigga project by the Govt
 of Maharashtra - Calling for copy of project report

File No.

DND 17/BRH 66

M. G. S.

Ministry of Irrigation & Power may be
 told that Mr. Pyne's concurrence is necessary,
 and Mr. Pyne cannot afford to know
 the details of the project proposed by the
 Maharashtra Govt. He has also not written
 to obtain a copy of the project report on
 the Bhima-Nigga project, so as to know
 whether the interests of Mysore are
 safeguarded beyond doubt.

For perusal & orders.

18/1/67

31) Kindly peruse the letter of CE (Irr) @ p 15
 of G. The CE. has himself stated that

"The Bhima Project of Maharashtra may
 affect the interests of Mysore projects
 in Bhima valley marginally, but its effect
 will be considerable on the projects of
 A.P. in the lower Bhima valley". It is
 therefore clear from this that if a
 protest has to be lodged with GOI.
 on the Bhima Project, it is by
 A.P. Govt. and not by us.

Bhima is a tributary to River Krishna.

The Bhima basin has an area of 456 Tnft.

Reference and markings	Notes and Orders	Para Numbers
	of which 400 Tmpt comes from the Upper Brime Sub basin. In this subbasin the existing and proposed utilisations of Maharashtra as per K.G.C. report is 314 Tmpt. The proposed utilisation in Upper Brime in the subbasin is Nil. Therefore considering the yield of 400 Tmpt available in this subbasin, there is adequate water for our projects, even after all Maharashtra schemes are taken into account. In the lower Brime sub basin the existing utilisation is mostly in Maharashtra & D.P. schemes and is 11.5 Tmpt. The proposed projects in Upper Brime are to utilise 37.3 Tmpt. Considering the yield of 58 Tmpt in this subbasin, the water reqd for these projects is available and the only interests affected are those of D.P. below on borders. As much there may perhaps be no need to examine this project report from G.O.I.	

ft. Secy: PWD.
No 1431 Date 2/5

DS

JS

to a

H. CHANNAPPA,

Chief P.W.D. (Irrig.)

8)

Note Continuation Sheet

Subject

File No

WD 014899 GPB 8,00,030-11-8-65

Reference and markings	Notes and Orders	Para Numbers
	3*) Dis covered. The matter has been further examined. As per K.G.C. Report the total yield in this subbasin is 455 Tnps. The major portion of this subbasin lies in Tcheranatha in the upper reaches, and a very portion at the tail end lies in Andhra Pradesh. In between lies the area in Mysore. The existing utilisation in this subbasin is ~~266~~ ³⁶⁰ Tnps, 90% of which lies in Tcheranatha. The utilisation under the projects under execution and under contemplation in Tcheranatha in this subbasin is 266.2 Tnps. ~~There~~ The utilisation existing in the subbasin in Mysore is negligible. It may be about 5 Tnps. The utilisation proposed in the Panna & Benithra projects is 37.3 Tnps. in Mysore State. Therefore considering the yield available, the existing utilisation and the proposed utilisation by Tcheranatha, there is adequate yield available for our projects in Panna subbasin. It may also be seen from the index map (Page 5) that the major portion of the area	

89.8
6.2
90.0

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in the Poimane basin, upto the confluence of Poimane with Krishna is already covered by our projects and there exists very little scope for further increase in the irrigation. And since it is clear that the proposed utilisation by Tcheravante in the upper reaches as given in the K.G.C. Report do not affect Mysore State.

35) From the K.G.C. Report it is seen that Tcheravante had proposed a lift irrigation scheme across Poimane Commanding an area of 3.52 lakh acres and utilising about 42 Tapp. Now as per the present report of the CE, it is seen that the project under execution is a lift irrigation scheme commanding an area of 3.17 lakh acres. It is seen therefore that the present proposal is for utilisation of the same amount of water as originally proposed, even though the scheme is one of lift irrigation instead of lift irrigation.

36) Therefore considering the availability of water for the proposed in our state and the present scope of the Tcheravante project on Poimane

10) Taking up of Bhima irani project by the Govt. of

Maharashtra - Calling for a copy of project report -

File No. PWD 17, B R A 66 of 196 .

Mysore Government
Secretariat

being almost the same as originally proposed, it may not be desirable to address the Govt. of India to furnish us a copy of this project. As a matter of fact this may create a feeling that we are indiscriminate in addressing GOI in such matters, irrespective of the fact that we are affected or not.

37) Govt. have recently issued to the deputations of the SE & EE from the Office of CE (Irr.) to assist in collecting personally information regarding development of irrigation in Gungur Valley by dam. It is seen from the letter of Govt @ p. 10 of c.f. that we are free to consult and refer all these Krishna & Godavari Projects at Chape. The CE (Irr.) may perhaps instruct the SE & EE who are going to Delhi to examine and obtain details of this and other projects of Maharashtra etc. We may inform CE. (Irr.) accordingly. A sheet is also placed @ p. 20 of c.f. for appr.

Serial
No.

JS
dec 1967

4
12/3

38) The letter of the Chief Engineer ^{at} pages 15 to 17 c.f. and the notes in paras 34 and onwards may kindly be perused.

M. Secy. PWD.
No 1670 Date 13.3.67

Subject: *Taking up of Bhima ujani Project by the Govt. of Maharashtra - Calling for a Copy of Project Report.*

P.D.D. File No. 1782465. (11)

WD 01050—GPB—8,00,000 13-12-65

39) The total yield of the Bhima river at our State border is of the order of 400 T.M.C.ft. As against this yield available at our border, Maharashtra Government have contemplated to utilise 356 tmc.ft. as detailed below:

1. Existing utilisation in Maharashtra;	89.8 TMC.ft.
2. Utilisation under projects under construction;	58.6 "
3. Utilisation under proposed projects:	207.6 "

Total:	<u>356.0</u> "

It is thus seen that 44 TMC.ft. of water will be available at our State border. (400 TMC.ft. - 356 TMC.ft.). The total yield within our State is of the order of 55 TMC.ft. Thus the total water available for our State would be 99.0 TMC.ft. (55 TMC.ft. + 44 TMC.ft.). As against this available yield of 99 TMC.ft. in our State, utilisation of about 42.3 TMC.ft. is contemplated to be utilised in our State as detailed below:

1. The existing utilisation in our State	5.0 TMC.ft.
2. Proposed Utilisation in our State	37.3 TMC.ft.

Total:	<u>42.3</u> TMC.ft.

40) From this it is clear that we should have no apprehension about the availability of sufficient quantity of water in the Bhima basin to meet our proposed irrigation requirements. The Chief Engineer has rightly pointed out that the Bhima Project of Maharashtra may affect the interests of our States in ~~Bombay~~ Bhima valley marginally but its effects will be considerable in Andhra Pradesh in the lower Bhima valley. We should not worry to protect the interests of Andhra Pradesh. Moreover the Bhima river joins the Krishna just at the border of our State with Andhra Pradesh. I agree with the noting of the Under Secretary that we should not approach the Government of India to supply us a Project

7/12) Bhima Wani Irrigation Project across Bhima
river in Sholapur Dist. Maharashtra
Subject: File No. PWD 17 B R A 66

M. G. S.

Report knowing full well that our interests in the case of Bhima Project will not be adversely affected. However the Chief Engineer may ask his Superintending Engineer and Executive Engineer who would be deputed to Delhi for collecting the information regarding the development of irrigation in Cauveri Basin in Madras State to collect any further details about this Bhima project from the C.E. & P.C. if he finds it necessary. If agreed the Chief Engineer would be replied on the above lines.

Sy. PWD. 14/3
PWS No 886 Date

Secretary, PWD)

14/3

CH
15/3
4
15/3

2) The dept letter @ p. 20. of the period. by me.

DS)

4
16/3

17/3

4
17/3

18/3

Receipt No. 782 from C.E. Instgn of Projects.

(45) Letter No. CEI/K&C/2/TA2. dated 22.4.67 from the Chief Engineer Instgn. of Projects Placed at pages from 22 to 29 of C.F. may please be perused. He has furnished the Salient features of the Bhima Irrigation Project proposed by the Maharashtra Govt. and as obtained from the C.W. & P.C. as called for in Govt. letter dated 18.3.67 (P. 21.)

J
25/4/67.

*proposed by the -
Maharashtra Govt.*

(46) The Chief Engineer has pointed out the major changes that have taken place in the Bhima Irrigation project which is said to have been cleared by the Central and power Commission during 1966. He has stated that these have caused alarm at Maharashtra's exclusive appropriation of the Bhima waters and has urged the Government of India to stop the Maharashtra project in the Bhima Valley.

He has also urged to obtain the water account of all the projects of Maharashtra State. C. C. to Govt. of India from 1951 onwards.

J
25/4/67

(47) Kindly peruse the letter of the Chief Engineer, Investigation, at Page 22/c.f. Kindly also peruse Paras 31 to 41 ante. The Chief Engineer, Investigation has now pointed out that the Bhima Irrigation Project, ^(Maharashtra) as proposed and cleared by the C.W. & P.C. is entirely different from the one that was proposed by them at the time the Krishna-Godavari Commission collected ~~the~~ information regarding the Projects proposed to be taken up in the Krishna Basin. The Chief Engineer has worked out that in case the existing and proposed utilisation in the Bhima Basin as shown by the Maharashtra at the time of Krishna Godavari Commission and the present Bhima project is also taken into consideration there would be actually an a deficit of about 13 T.M.Cft. of water at the border of Mysore and Maharashtra. Considering this, the Chief Engineer desires that the Govt. of Mysore address ^{for financing} to the Govt. of India, the water account of all the Projects of Maharashtra State cleared so far by the Govt. of India to date. He has also suggested that the Mysore Govt. have cause for alarm at Maharashtra's exclusive appropriation of the Bhima waters, and therefore urge on Govt. of India to ~~study~~ ^{revise} the Maharashtra Projects in the Bhima Valley.

(48) The Chief Engineer, Investigation has assumed in his letter that all Projects proposed by the Maharashtra in the Bhima Basin and the Bhima Irrigation Project as cleared ~~now~~ by the C.W. & P.C. would all be taken up and there would be a deficit of 13 T.M.Cft. at the border. Such an assumption does not appear to be realistic. There could never ^{arise} a situation of any State Planning ~~of~~ ^{of} Projects for utilisation of an yield more than the availability. Therefore, the question of their occurring a deficit of 13 T.M.Cft. or any amount of T.M.Cft. at the border is

Subject: Bhima ujani irrigation project ~~File No.~~ PWD 17 B.A. 66
 across Bhima river in Sholapur Dist
 Maharashtra

WD 01050-GPB-8,00,000 13-12-65

certainly not a correct argument. Assuming for a moment that the Maharashtra Govt. is in a position to abstract the entire 356 T.M.Cft. of water available in Bhima Basin in its area, then the Bhima Project and other proposed Projects in our State lower down the Maharashtra Border will have to depend entirely on the yield available within Mysore State only. It has already been estimated by the K.G. Commission that the yield available within the Mysore State itself is about 55 T.M.Cft. and the existing and proposed utilisations in our State are 42 T.M.Cft. Therefore, even if a situation were to arise ~~only~~ ^{being} the entire waters in their area ~~and~~ fully abstracted by the Maharashtra State, then the yield available within the Mysore region itself would be sufficient to meet the existing and proposed utilisation in our State in this area. The sufferance due to the total abstraction by the Maharashtra State would be that ~~the~~ ^{if} Andhra Pradesh which is a lower riparian and the cause for alarm at Maharashtra's exclusive appropriation should be for the Govt. of Andhra Pradesh and not for the Govt. of Mysore. It may therefore be not necessary to get alarm ~~and~~ to address Govt. of India to ~~address~~ ^{any} ~~in any way~~ ~~the~~ ~~any~~ any of the Maharashtra Projects or any such thing.

(49) As regards the suggestion of the Chief Engineer that we obtain from the Govt. of India a clear picture about the Projects cleared so far in Maharashtra and the utilisations proposed in those Projects, it may be pointed out that we have already addressed ~~to~~ the Govt. of India in this matter separately on more than one occasion and the matter is being pursued as such there is no need to again address Govt. of India in this regards with reference to the present letter from ~~the~~ ~~the~~ ~~the~~ ~~the~~ ~~the~~ the Chief Engineer.

R. Secy. PWD.
 No 3048 Date
 3.5.67

DS
 JS
 See PW

[Signature]

50) *[Signature]*
 3/5/67

M. CHANNARPA,

By. Secy. to Govt. P.W.D. (Irrgn.)

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 26

51) Notes in paras 39-40 and 47 n.f. onwards along with the letter of the Chief Engineer dated 22.4.1967 pages 22-23 c.f. may kindly be perused. The Chief Engineer has furnished the details of the Ujjani Project across Bhima river as obtained from the Central Water and Power Commission.

52) (1) His main objections for taking up of Ujjani Project by Maharashtra Government ⁽¹⁾ are that the proposed lift of Bhima river would be converted by the present project into flow irrigation by building a storage dam of 107 TMC gross capacity (47 EEC Live Capacity).

53) (2) Utilisation as proposed to K.G. Commission under lift was of the order of 42 TMC as against the proposed 99 TMC under the present project. The excess proposed to be used is of the order of 57 TMC under this project.

54) The total average yield as estimated by the K.G. Commission up to our border was of the order of 400 TMC and the total utilisation as proposed by Maharashtra Government to the K.G. Commission was 356 TMC. With the addition of 57 TMC under this project, the Chief Engineer contends that the Maharashtra proposes to utilise ⁴¹³ ~~430~~ TMC as against 400 TMC average yield.

55) There appears to be some fallacies in the ~~presumption~~ made by the Chief Engineer.

56) 1. His presumption that all the other projects as proposed by the Maharashtra Government to the K.G. Commission will be implemented. I do not think any Government can contemplate projects utilising more than the yield that is available. His ~~presumption~~ ^{that} all the projects with aggregate utilisation as assessed by the Chief Engineer amounting to ⁴¹³ ~~430~~ TMC cannot be taken up against the average yield of 400 TMC.

As rightly pointed out by him that the yield at 75% dependability will be still less and as such his presumption that 430 TMC would be utilised appear to be apparently wrong. Even in case if they do it, the projects in that State would suffer.

57) 2. It is true that if all the yield that is available is utilised by Maharashtra, there will be no water left at our border. However, the seepage to the extent of 10% of the water stored is likely to be available at our border. Even presuming that no yield would be available there are no projects at our border requiring the water from the drainage of Maharashtra State. (The area adjacent to the Bhima bank at our border in Bijapur District is mostly commanded by the Upper Krishna Project and no water from the Bhima will be necessary for irrigation in this tract.

58) As pointed out in para 39 n.f. the total water available in our State is of the order of 55 TMC as against our requirement of 42.3 TMC. Most of the major tributaries of the river Bhima which yield 55 TMC in our State originate in our State only and join the Bhima in the jurisdiction of our State. As such there is no chance for any other State to exploit any portion of this yield available in our State.

59) From the above it is clear that the utilisation in the Bhima valley so far as our State is concerned are limited in scope and the water that is available in our State should be enough to meet the proposed requirements. The waters that are allocated provisionally of the Krishna Basin to the States of Maharashtra and Andhra have to be utilised before 1976 to this extent only. In case all the available yield in the Bhima basin is utilised by Maharashtra Government their share in

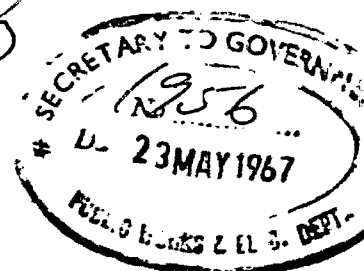
18
 Subject: Bhima Ujjani Irrigation Project File No. 20D 17 BRA 66.
 across Bhima River in Sholapur Dist. Maharashtra.

M. G. S.

the Krishna as well as its other major tributaries would be reduced to that extent thus making available the waters of Krishna and other tributaries available to us where we require more water to meet our irrigation requirements.

60) I think that there is no case for us to take up the matter with the Government of India to stay the proposed Ujjani project as in my view the interests of our States are not at all affected.

61). However the G.O. will
 SECRETARY, PWD) be again reminded
 to supply the names of projects
 cleared in the Krishna basin
 with details so as to checkup
 that the utilization under
 such cleared projects has
 not exceeded the provisionally
 allocated quantity of water
 to their State.
 Seen. P. N. H. L.



62). Drafted. The letter
 to G.O.s will issue after
 finalised by the P.W.D.

63)

29/11

64)

29/11
 29/11
 29/11

Copy

M. G. S.

Subject: Bhima Ujjani Irrigation Project
across Bhima River in Solapur Dist.
Maharashtra.

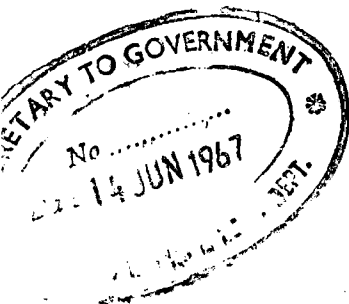
File No. PWD 17 BRA 66.

WD 01050—GPB—8,00,000 13-12-65



H. Secy. PWD.
No 3846 Date
5/6

Secy. PWD. 6/6
PWS No 2222 Date



Sik.

65) A draft is put up at page 30 of C.F. for perusal and approval. p.

31/5/67 1/6/67

66) The revised draft @ p. 31. of may
plan be perused and approved

DS
JS
Secy PWD
Min PWD

68)

1/6/67

St. Secy., P.W. & Elec. Dept.

67)

19/6/67

M. CHANDAPPA,

M. C. ANTIN, Secy. to Govt. P.W.D. (Irrgn.)

69) For perusal before issue

CG
9/6
CHANDAPPA PATE
Secy. P.W. & Elec. Dept.

Min PWD

70) V. Kulk.
13/6

Secy. (P.W.D.)

(VEERENDRA PATIL);
Minister for Public Works.

71) The work may be closed today.

CG
14/6

W. K.

72) June
14/6
1/6/67

P.T.O

20
Subject: Bhima - Ujjani Irrigation Project File No. WD 17 BRA 66.
across Bhima River in Solapur Dist.
Maharashtra.

M. G. S

73) No, Communication has been received from Govt. of India, a reminder is put up at page 36 of C.F. for perusal and approval.

for
5/11/67 6/11/67

74) June
4
6/11/67

14/7/67

75) A reminder to the Govt. of India placed at page 38 of C.F. for perusal and approval.

for
21/7/67 28/7/67

76) June
4
29/7

14/8/67

77) No, Communication has been received so far from Govt. of India. A reminder is put up at page 40 of C.F. for perusal and approval.

for
28/8/67 28/8/67

78) June
4
29/8

Issued

31 8, 67

M. C. S.

Subject: Bhima-Ujjani Irrgn. Projects across
Bhima River in Sholapur Dist. File No. PWD 17BRA 66.
Maharashtra.

[WD 01050—GPB—8,00,000 13-12-65]

Receipt No. 3474 from G.O.Y.

79) Letter No. DW.II-10/5/67 dt. 26.9.67 from The U.S. to Govt of India Ministry of Irrgn. and Power is placed at page 42 of C.F. for perusal. It has been intimated that a list of projects sanctioned for Maharashtra and A.P. in Krishna Basin was forwarded by the Union Minister of Irrgn & Power under his letter No. DW.II-32(23)/63 dated 29.6.67. This letter is being dealt in file No. PWD 1 BRA 59 which is submitted to GAD Cabinet Section. If approved a copy of the letter may be put up in this file on return of the file from Cabinet Sec:

for
30/9/67.

80)

yes.
Agreement with a copy of
letter
9/11/67

81) Resubmitted: Secret letter No. DW.II-32(23)/63 dated 29.6.67 from the Union Minister for Irrgn. & Power addressed to the Minister P.W.D. may please be seen at page 279 of C.F. (lag R') in file No. PWD 1 BRA 59 (Pt. III) which is placed below.

for
11/11/67.

8/11/67 82) kindly see the letter of

G.O.I. @ p. 42 of. This is in reply to an letter @ p. 33 of. asking for details of projects sanctioned. as far in Andhra & Maharashtra in Krishna basin. This list is already recd. and may be seen at p. 279 of PWD 1 BRA 59 placed below. No. further action is reqd.

22)

Subject: Sheni-uggam Junction Project - 17017/RA66
2 am Sheni river - File No.

M. S. S.

in the matter @ present

DS
JS

93) 9/11/67
M. CHANNIAPPA
S. S. S. S. P. 17 D. (L. 17017)

P. Secy. F. D.
13 76 92 D. 9/11

A report from C.E. (Ind) as to the effect of such clearances by G.O.D in Maharashtra on the rivers entering our border will have to be obtained immediately. Whether the project envisaged in our state would seriously be affected also have to be examined. These particulars may be got expeditiously.

DS (7)
U.S. (9)

9/11/67

9/11

4
10/11

87) A draft is put up at page 43 of C.F. for perusal and approval. Reference para 84 ante.

10/11/67 10/11/67

88) 10/11/67

4
12/11

89) A reminder is put up for approval at page 50 C.F.

11/3

90) 11/3

11/3/68

Subject: Bhima-ujjani Irrigation Projects
across Bhima River in Solapur
Dist. Maharashtra State.

File No. PWD 17BRA 66.

WD 01050—GPB—8,00,000 13-12-65

Receipt No 808 from the CE Invn. H.E. & J.P.

91) Letter no CEIH/CEI/KGE/2/TA4 dt 19/3/68
from the CE Invn. H.E. & J.P. is placed
at page 51 CF for perusal.

92) The CE Invn. H.E. & J.P. requested to send
a copy of the original G.L. no PWD 17BRA 66
dt 24-11-67, as the same is not traceable
in his office.

A draft letter to the CE Invn. H.E. & J.P.
is put up for approval at page 52 CF.

MD 9/2/3
20/3

93) In pursuance of the issue.
20/3.

94) P. N. M. 20/3
95) P. N. M. 20/3

Receipt No. 1016 from the C.E. Invn. of H.E. & J.P.

96) Letter No. CEIH/KGW/TA4 dt. 4-4-68 from the C.E. Invn. H.E.
& J.P. is placed at page 59 of C.F. for perusal. The letter under
which he has stated to have been furnished the information.
is not received in this Section. If approved a copy of the
letter ^{will} be called for from C.E. A draft letter is put
up at page 61 of C.F. for perusal and approval.

MD 15/4/68.

97) Draft proposed to be issued.
The reference appears to have
been put up in file no PWD 17BRA 66.
P. N. M. 20/3
The - same file
20/3

Disputed
MD 15/4/68.
20/3

24)

Subject: Bhima - Ujjani Irrigation Project
across Bhima River

File No. PWD 17 BRP 66

M. S.

49) The letter referred to by the C.E. (Inva.) in his letter at page 59 of C.F. may please be seen at flag 'R' in file no. PWD 1 BRP 59 Part II which is placed below. Copy of the letter is placed at pages 52 to 66 of C.F. enclosed.

ON
P. 52 to 66
of C.F. enclosed

99) Copy of the letter is taken place in this file, pages 62 to 66 of C.F. The letter of the Chief Engineer (Inva.) is placed at page 59 of C.F. may kindly be perused. Necessary action has been taken in file no. PWD 1 BRP 59 on this letter.

For perusal & orders. Ref: para 84 ante.

16/11

Recd B

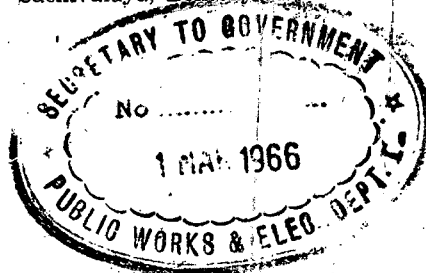
24
16/11

3
16/11



MINISTER FOR IRRIGATION, POWER,
BUILDINGS AND COMMUNICATIONS,

Sachivalaya, Bombay-32.



D.O. No. BHM.2266-IP(3)

Dated the February 25, 1966

Dear Nijalingappa,

rom
650/66
Sy. Mr. D.
M. ni ya message lined
be sent
25/2/66

The Bhumi Pujan Ceremony of Bhima Project one of the important Irrigation Projects in Maharashtra State, has been fixed on the 7th March 1966 at 4.00 P.M. Shri Y. B. Chavan, Minister for Defence, Government of India has very kindly consented to perform the Bhumi Pujan Ceremony.

I shall be grateful, if you could kindly make it convenient to grace the occasion with your presence.

CH
Yours

[Signature]
(S. B. CHAVAN)

Shri S. Nijalingappa,
Chief Minister of Mysore,
Bangalore.

Shri S. B. CHAVAN
Minister for Irrigation and Power
Requests the pleasure of your company at the
BHOOMI PUJAN CEREMONY OF BHIMA (UJJANI) PROJECT
at the hands of
Shri YESHAVANTRAO CHAVAN
Defence Minister of India
at 4.00 p.m. on Monday, the 7th March 1966
at Dam Site, Ujjani, Sholapur District.

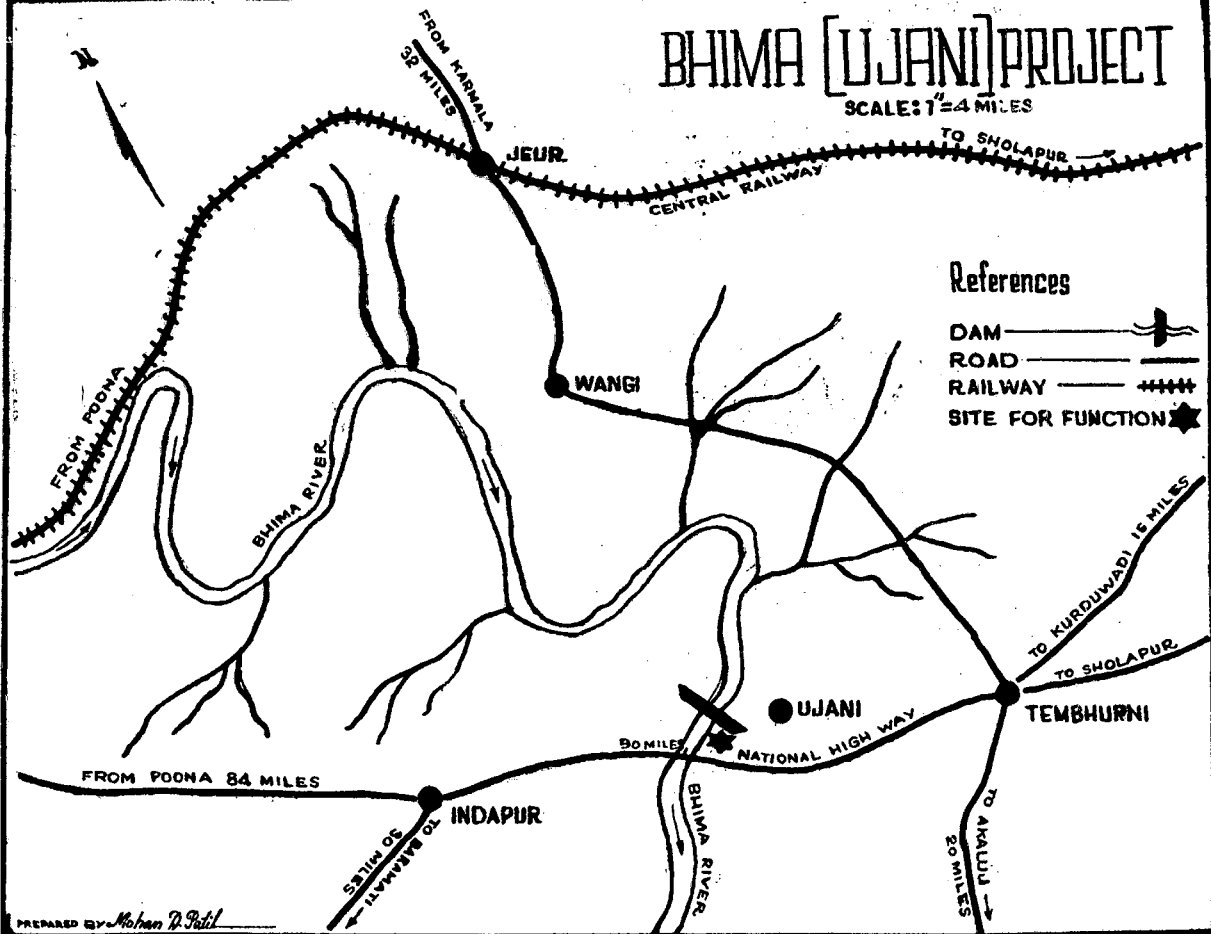
Shri V. P. NAIK
Chief Minister of Maharashtra
has kindly consented to preside.

R.S.V.P.
Superintending Engineer,
Deccan Irrigation Construction Circle 2,
Poona-1.

(MAP ENCLOSED)

BHIMA [UJANI] PROJECT

SCALE: 1" = 4 MILES



DRAFT.

Dear Chavan,

I am in receipt of your letter dated 25th February, 1966, regarding "Bhumi Pujan Ceremony" of Bhima Project to be inaugurated by the Defence Minister of India and thank you for the same. In the present context of food shortage and need to utilise the water potential of our country for developing irrigation. I wish ~~to~~ all success in our endeavour for taking up of this project ^{for} and ~~early~~ completion.

for all success

Yours sincerely,

3/66

(CHIEF MINISTER)

To

Shri S.B. Chavan,
Minister for Irrgn.
Power, Buildings and
Communications,
Sachivalaya,
BOMBAY. 32

March 4, 1966.

Dear Chavan.

I am in receipt of your letter dated.
25th February 1966 regarding "Bhumi Pujan
Ceremony" of Bhima Project to be inaugurated
by the Defence Minister of India and thank
you for the same. I wish all success for
the function.

Yours sincerely,

✓

(S. Nijalingappa)

Shri S.B.Chavan,
Minister for Irrigation,
Power, Buildings & Communications,
Sachivalaya,
B O M B A Y - 32.

KGC

OFFICE OF

Tele^{gram}
phoneNo. Miso/244/TA
Encls. one
ToOffice of the Chief Engineer, PWD,
Investigation of Projects,
Bangalore.Date... 8 August 1966.The Secretary to the Government of Mysore,
Public Works & Electricity Department,
Vidhana Soudha, Bangalore - 1.Sub:- Bhima - Ujani Irrigation Project across Bhima
River in Sholapur District, Maharashtra.

It has appeared in "The Hindu" dated 9.3.66 that the Union Defence Minister performed the "Bhoomipooja" for the Bhima-Ujani Irrigation Project in Sholapur District, Maharashtra (vide copy of press cutting enclosed). There appears to be a proposal to construct a dam across the Bhima River in the portion passing through Maharashtra State before it enters the Mysore State.

As Bhima River is an inter-State river, the details of the said project may please be obtained from the Central Water and Power Commission as well as from the Maharashtra Government for detailed study for its implications on the projects in the Mysore State on the same river.

Yours faithfully,

Chief Engineer, PWD.,
Investigation of Projects.

M.M. 6-8:

COPY OF PRESS CUTTING FROM THE "HINDU" NEWSPAPER DATED
9.3.1966.

WORK INAUGURATED ON IRRIGATION DAM IN SHOLAPUR
DISTRICT.

BOMBAY, March 7.

The Union Defence Minister, Mr. Y.B. Chavan to-day performed the "bhoomipooja" for the Bhima-Ujani Irrigation project in sholapur district, Maharashtra.

Estimated to cost Rs. 32.42 crores, the project will irrigate an area of three lakh acres,. The 137 foot high, 7,650 foot long dam will have a storage capacity of 1,07,000 million cft.

The 267 miles long canal system will start on the left side of the dam at Ujani village and will then be bifurcated on both sides with a number of subsidiaries in six ~~district~~ talukas of the district. Sholapur district, which has poor and irregular rainfall, depends on the river Bhima for its agriculture.

The dam site is about a mile away from the bridge on the river Bhima near Hingangaon village on the Poona-Sholapur express highway.

.....

(C O P Y)

Wau 2
6/8/66

SP 6/8/66

Secy.

Public works Dept: Sachinvalya.

Bombay

Sub: Poona - Ujani Irrigation Project across

Poona river

Hi,

It is seen that the union minister of Defence has performed the "Broom" Project in the Poona - Ujani Project on 7-3-68. I am directed to request you to kindly furnish the Govt. details regarding this project, since the description of the project as given in the newspaper report does not compare with the details of Poona Ujani Irrigation Project as given in the report of I.C.C. Commission.

~~This is~~

Y. J.
dy
US/

4

PWD.17.BRA.66

8 -9- 66

Public Works Department.

The Secretary,
Public Works Department,
Sachivalaya, Bombay.

Sir,

Sub: Bhima - Ujani Irrigation project across
Bhima River in Sholapur District, Maharashtra.

--

It is seen that the Union Minister of Defence has performed the "Bhomi Puja" for the Bhima-Ujani Project on 7.3.66. I am directed to request you to kindly furnish this Government, details regarding this project, since the description of the project as given in the Newspaper report does not confirm with the details of Bhima Lift Irrigation Project as given in the report of K.G. Commission~~er~~.

Yours faithfully,

o/c.

(S.K.Mohan)

Under Secretary to Government,
Public Works Department.

Issued

Dated.....

Anantha.2

15

No. BHM 2066/90718-IP(3),
Irrigation & Power Department,
Sachivalaya, Bombay No.32,BR.
Dated:

29 SEP 1968

From:
Shri V. A. Joshi,
Under Secretary to Government.

To :
The Under Secretary to Govt. of Mysore,
Public Works Department,
Bangalore.

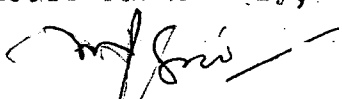
Subject : Bhima - Ujani Irrigation project across
Bhima River in Sholapur District-
Maharashtra.

...

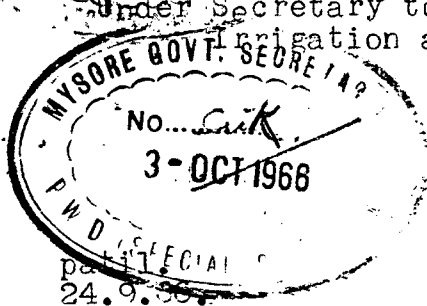
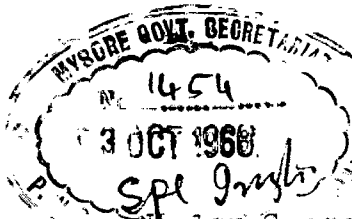
Sir,

I am directed to refer to your letter
No.PWD.17.BRA.66, dated the 8th September 1966
on the above mentioned subject and to request
you kindly to obtain the information from the
Central Water and Power Commission as decided
in Technical Committee's meeting.

Yours faithfully,


(V. A. Joshi)

Under Secretary to the Govt. of Maharashtra,
Irrigation and Power Department.



4/3/68

Draft.

No.PWD 17 BRA 66

To

The Chairman,
C.W. & P.C.,
Govt. of India, New Delhi.

Sir,

Sub:- Bhima - Ujani Irrigation Project
across Bhima River in Sholapur Dist.
Maharashtra.

While enclosing herein a copy of the letter
No.BHM 2066/90718-4P(3) dated 29th September 1966
from the Govt. of Bombay and a copy of this
Govt. letter No.PWD 17 BRA 66 dated 8th Sept.
1966 referred to therein, I am to request you
kindly to furnish the required information
regarding the Bhima - Ujani Projects ~~has~~ ^{is}
approved by the C.W.& P.C.

Yours faithfully,

^{dy}
U.S., PWD (Technical).

cn/

7

GOVERNMENT OF MYSORE

No.P D/ PWD.17 BRA.66.

Mysore Government Secretariat,
Vidhana Soudha,

From

Dated, Bangalore, 2-10- 1966.

The Secretary to the Govt. of Mysore,
Public Works & Elec. Department, Bangalore.

To

The Chairman,
Central Water & Power Commission,
Government of India,
New Delhi.

Sir,

Sub: Bhima - Ujani Irrigation Project across Bhima River in
Sholapur Dist. Maharashtra.

While enclosing herein a copy of the letter No.BHW.2066/
90718-IP(3) dated 29th September 1966 from the Govt.of Bombay and a
copy of this Govt.letter No.PWD.17 BRA.66 dt.18th Sept.1966 referred
to therein, I am to request you kindly to furnish the required in-
formation regarding the Bhima -Ujani projects as approved by the Central
Water & Power Commission.

Yours faithfully,

(S.K.Mohan)

Under Secy. to Govt.P.W.D.(Tech.)

Anantha.

mod
2/10/66

o/c
31/10/66

Subjes: - Shemia. Pegani Divisalem
Projet aaron Shemia jiver
in Sdla pur distict -
Makared the fwo -

Le

The Chairman

Central water & power Commission

Gros J. Indira New Delhi

Sir,
Ref:- His Holiness letter no 178216
27.2.11.66

92.11.66

I am directed to invite reference
to the letter cited above and to
request you to kindly arrange
to send the required information
regarding the China-Liaison
Project - as approved by the Central
Water and Power Commission at
an early date.

3.7

4
up before
monday
12 (Lax)

Government of Mysore

No. PWD 17 BRA 66

Mysore Govt. Secretariat,
"Vidhana Soudha"
Bangalore, Dt. 7 Dec, 1966

From

The Secretary to Govt. of Mysore,
Public Works Department, Bangalore,To The Chairman,
Central Water & Power Commission,
Government of India,
New Delhi.

Sir,

Subject:- Bhima-Ujani Irrigation Project across
Bhima River in Sholapur Dist. Maharashtra
Govt.Reference:- This State-Govt. letter No. PWD 17
BRA 66 dated 2.11.66
- - - - -

I am directed to invite reference to the letter cited above and to request you to kindly arrange to send the required information regarding the Bhima-Ujani Projects- as approved by the Central Water and Power Commission at an early date.

Yours faithfully,

SR/2

Recd
Dated..... 7-12-66

Jc. (S.K.Mohan)

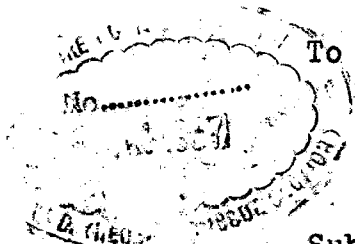
Under Secretary to Government,
P.W.D. (Technical)

12/67 10

F.No.8/18/66-TE
Government of India
Central Water & Power Commission
(Water Wing)

.....

New Delhi, the 3 - 12 - 1967.



To
The Secretary to Govt. of Mysore,
P.W.D. & Electricity Department,
Secretariat Vidhana Soudha
BANGALORE.

Sub:-Bhima-Ujjain project across Bhima river
in Sholapur Distt. Maharashtra.

Ref:-Your letter No.PD/PWD.17.BRA.66,dt.2.11.66. Page 7 of 7
C.F.

.....

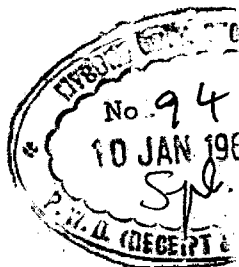
Sir,

Reference is requested to the Minutes of the
third meeting of the Godavari Krishna Technical
Committee held at New Delhi on 8th January, 1966,
para 5.1.1 regarding supply of copies of the
project reports to concerned States etc.(copy enclosed)
Further action may please be taken accordingly.

Yours faithfully,

H. Singh
Hari Singh
Director-TE

for Chairman, C.W.&P.Commission.



83(1)

us (7)

G. S. Luthra

6/1/67

10/1/

S.K.

5.1.1. Supply of copies of the project reports to
concerned States:

Chairman explained that this question did not fall under the purview of this committee. However, the members were free to consult the Project reports approved by the Technical Advisory Committee along with the comments by CWPC and replies thereto which were available in the CWPC. In case they wanted copies of these report. they may refer to the Ministry of Irrigation and Power.

(12)

Subject:- Bhima - digging project -
across Bhima River in
Shahapur District - Maharashtra

To

The Chief Engineer.
Investigation of project -
Bhima

Sir

Ref:- your letter no Misc/IS/TAI/
of 8.8.66. on the subject

With reference to the above, I am
directing to forward herewith - a copy
letter no F.No. 8718/66 - TE of 3.1.67
together with the enclosure received from
the Chairman C.W.P. Commission, Nashik
on the above subject and to request -
you to forward your remarks thereon
for taking further action in the matter.

Y. 2

By
uptd/engr
M. S. Lele
(Sd/-)

17 BRA 66

18-1- 67

The Chief Engineer,
Investigation of Projects,
BANGALORE.

Sir,

Sub:-Bhima -Ujjani Project - across Bhima river
in Sholapur District - Maharashtra.

=====
Ref:-Your letter No.Misc./IS/TA1/dated 8-8-66 on
the subject.
=====

With reference to the above, I am directed to forward herewith a copy of letter No.F.No.8/18/66 -TE dated 3-1-67 together with its enclosure received from the Chairman, Central Water and Power Commission, New Delhi on the above subject and to request you to furnish your remarks thereon for taking further action in the matter.

Yours faithfully,

o/c
J
(S.K. Mohan)

Under Secretary to Government,
Public Works Department (Techn

18/1/67
kjp/17-1-66/2.

17/1/67

Copy of letter No.F.No.8/18/66-TE dated 3-1-1967, dated Director,
Chairman, C.W. & P.Commission, (Water Wing), New Delhi, addressed
to the Secy. to Govt. of Mysore, P.W.D. & Electricity Department,
Secretariat, Vidhana Soudha Bangalore.
=====

Sub:- Bhima-Ujjain Project across Bhima river in Sholapur Distt.
Maharashtra.
=====

Ref:- Your letter No.PD/PWD 17 BRA 66, dt.2-11-66.
=====

Reference is requested to the Minutes of the third meeting
of the Godavari Krishna Technical committee held at New Delhi on
8th January 1966, para 5.1.1 regarding supply of copies of the
Project reports to concerned states etc. (copy enclosed). Further
action may please be taken accordingly.
===

5.1.1. Supply of copies of the Project reports to concerned states:

Chairman explained that this question did not fall under
the purview of this committee. However, the members were free to
consult the Project reports approved by the Technical Advisory
Committee along with the comments by CWPC and replies thereto
which were available in the CWPC. In case they wanted copies of
these report, they may refer to the Minister of Irrigation and Power.
=====

// Copy //

[Signature]
11/11/67

C.F. No. 45]

GOVERNMENT OF MYSORETele^{gram}
phone

OFFICE OF

No. GEI KGC 2 TA4
Encls.

Date..... 7-2-67

To

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
Vidhanasoudha, Bangalore 1.

Sir,

Sub:-Bhima-Ujjani Project across Bhima River in
Sholapur District of Maharashtra.

Ref:-Government letter No.PWD 17 BRA 66
dated. 18.1.1967

Page 13 of C.F.

===

For obtaining a copy of the Project Report, prepared by other State Governments, the Central Water and Power Commission has drawn attention to para 5.1.1. of the proceedings of the 3rd Meeting of the Godavari Krishna Technical Committee held at New Delhi on 8th January 1966, wherein two alternatives are suggested:-

- i) to obtain details of the project by referring to the copy of the project report in the C.W & P.C. office.

O R

- ii) to move the Government of India in the Ministry of Irrigation and Power, for supplying a copy of the project report.

4/  This reply is contrary to the procedure adopted in the case of the Dudhaganga Project, where a copy of the project report was furnished by the C.W & P.C. itself, vide CW&PC's letter No.F.8(33)/66-TE dt.Nil-12-1966, addressed to the Secretary to the Government of Mysore, Public Works Department, Presumably this procedure was thought of by CW & PC as combined irrigation potential in Mysore State was caused to be benefited in the said project.

--2--

It should be a normal convention for the centre to consult other States for opinion regarding Inter-State Projects in the same river basin as they are vital to safeguard their legitimate riparian, prescriptive and fair rights in their area. Especially when the Krishna-Godavari basins are still a matter of dispute unilateral sanctions by the Centre would definitely harm the State's interest.

In this connection, it may be mentioned here that a supervisor from Irrigation Investigation Circle, Yermarus, was deputed to Maharashtra, to ascertain the salient features of the proposed Bhima Ujjani Project of Maharashtra, across the Bhima River. The information obtained and sent by the Superintending Engineer, Irrigation Investigation Circle, Yermarus, is enclosed herewith, for perusal.

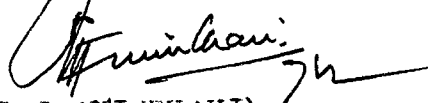
The information reveals that the present proposal of Maharashtra is to construct a dam at Ujjani, across^{the}/Bhima River to irrigate an area of 3,17,000 acres. According to the details in the Krishna-Godavari Commission's Report, the Bhima Lift Irrigation Project comprises of two stages and contemplates construction of 2 weirs and 3 dams to irrigate a total area of 3,52,000 acres, (Please vide pages 48 and 210 of Annexure XI of Krishna Godavari Commission's report), against the present proposal of irrigating 3,17,000 acres by means of a storage ~~at~~ one place only. It is not known whether the other four storages are also going to be taken up in course of time. This Bhima Project of Maharashtra may affect the interests of Mysore Projects in Bhima valley marginally, but its effect will be considerable on the projects of Andhra Pradesh in the Lower Bhima Valley.

.....3

-/3/-

In respect of the above project in Maharashtra, viz., the Bhima - Ujjani Project, Mysore should point out to the Government of India that Mysore's concurrence is necessary and Mysore cannot agree ~~it~~ without knowing the details of the project proposed by Maharashtra. A copy of the project report on the Bhima-Ujjani Project, may, therefore, please be obtained from the Government of India, in the Ministry of Irrigation and Power for ascertaining that the interests of Mysore are safeguarded beyond doubt.

Yours faithfully,



(L.T. AMINBHAVI)
Chief Engineer, PWD.,
Investigation of Projects.

grs/62

18.

S T A T E M E N T

Bhima Irrigation Project:-	Ujjani Dam. Salient features
Name of Dam:-	Ujjani Dam
Location of Dam:-	About 1½ miles upstream of the Hingangaon Bridge in the Bhima River, in mile No.90 of Poona Sholapur Road.
Purpose:-	Irrigation in Sholapur District.
Catchment area:-	5736 sq.miles (Including the catchment areas of all the upper storages.
Yield at Dam site:-	75% dependable. 221 T.M.Cft(including the yield available at all the upper storage.
Gross storage capacity:-	107,426 M.cft.
Live storage capacity:-	47,426 M.cft ?
F.R.L.	R.L.1630.00
M.W.L.	R.L.1630
T.B.L.top of Non overflow section and earthen Dam.	R.L.1640
R.L.of road surface on spill way bridge	R.L. 1647
Crest level of Ogee.	R.L. 1616
Type of Dam	Central spillway in stone masonry with non overflow section of stone masonry on either side. Earthen dam for both the flanks.
Length of Dam:-	7646 Ft.
Length of overflows section:-	3256 Ft.
total length of masonry portion including overflow section.	4400 ft.
Length of Earthen Dam:- (Including overlap with stone masonry) ..	3314 ft.
Height of dam above lowest river bed..	137 ft.
Top width of Dam P:-	Masonry portion 22 ft clear Earthen Dam 24 ft.
Design Discharge at surplussing section:-	5.30.000 cusecs.
~~Typexxxxxxxxxx~~ Type of spillway:	Conventional ogee type with taintor gates.
Area of submergence at F.R.L.1630:-	72450 acres (Including river portion)
No.of villages submerged..	71

Length of left bank canal:-	77 miles.
Length of main canal and branches together:-	267 miles.
Discharge of canal at head:-	4200 cusecs
Total irrigable area of project:-	4,44,300 acres. (Grom) 3,17,000 acres. (Net)
Total cost of the project:	Rs.40.96 crores (Including both the Ujjani and Pawana Dams)
	Cost of Ujjani portion only Rs.32/= ~~xxx~~ crores approx)
Crop pattern.	15% sugarcane 12% L.S.cotton 25% Kharif paddy. 42% Rabi wheat. 20% Rabi Maize. 5% Grom(follow on) 2% Hot weather season. 21.5% H Groundnut, on Reddy.
Cost of per acre of irrigated crops.	Rs.872
Cost per acre on season basis.	Rs.394

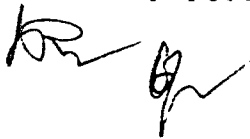
=====

Sd/-G.R.Kolkar
Executive Engineer, Ujjani Dam Dn.Dhond

=====

/copy/

Sd/-xxxx
S.E.I.I.C.Yermarus.



=====

CE(Inv)

Sub: Pomine - Wjani Project across
Pomine river in Maharashtra

Ref: Your letter no CE2/KGC/2/TBY
d/7-2-67

Hi,

Since as stated by you
the Pomine Project of Maharashtra affects
the interests of Wjani Project in Pomine
Valley only marginally, it may not be
very much
desirable to address Govt. of India in
this regard. Therefore in order to
I am directed to state that
obtain a clear idea of this project, you
may instruct the Secy to your
office who are scheduled to visit
CW etc in connection with the
collection of particulars of carrying over
project in Nashik State; to examine the
project report of the Pomine Project of
Maharashtra available with CW etc as
mentioned in the letter of correspondence no FNO8/18/66-TE
d/3-2-67, which has been furnished to you
in Govt letter no FNO8/18/66-TE d/12-2-67

GOVERNMENT OF MYSORE

21

No. WD 17 BRA 66

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, ~~18th~~ 19th March, 1967.

FROM

The Secretary to the Government of Mysore,
Public Works Department.

TO

The Chief Engineer,
Investigation of Projects,
Anandarao Circle, Bangalore.

Sir,

Sub:- Bhima - Ujjani Project across Bhima river in
Maharashtra.

Ref:- Your letter No.CEI/KCC/2/TAZ dated 7-2-1967.

idea Since as stated by you the Bhima Project of Maharashtra affects the interests of Mysore Projects in Bhima Valley only marginally, it may not be very much desirable to address Govt. of India in this regards. Therefore in order to obtain a clear scope of this project, I am directed to state that you may instruct the Superintending Engineer and Executive Engineer of your Office who are scheduled to visit Central Water and Power Commission in connection with the collection of particulars of Cauvery Basin Projects in Madras State, to examine the project report of the Bhima Project of Maharashtra available with the Central Water and Power Commission as mentioned in the letter of CW&PC No. F No.8/18/66-TE dated 3-1-1967, which has been furnished to you in Govt.letter No.PWD 17 BRA 66 dated 18-1-1967.

Yours faithfully,

(S.K. Mohan)

Under Secretary to Government,
P.W.D. (Technical).

18/3/67
cn/

16/3/67

Office of the Chief Engineer, PWD,
Investigation of Projects,
Ananda Rao Circle, Bangalore-9.

NO:CEI/~~KCC~~/2/TA2

Dated: 22 April 1967.

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha,
B A N G A L O R E.

Sir,

Sub: Bhima - Ujjani Project across the Bhima River
in Sholapur District of Maharashtra.

Ref: Government letter No.PWD 17 BRa 66 dated,
18-3-67. P.21 J.C.M.

The Salient features of the Bhima Irrigation Project

proposed by the Maharashtra Government and said to have been
cleared by the Central Water and Power Commission during 1964
have been obtained from the Central Water and Power Commission
as directed in the Government letter under reference. Copy
there-of is enclosed herewith for information.

From a comparison of the Salient Features of the present
Project with the figures in the Krishna Godavari Commission's
Report, the following major changes are observed.

1. The Scheme is now called the Bhima Irrigation Project whereas in the Krishna Godavari Commission's Report it was called the Bhima lift Irrigation Project.
2. There were 2 stages of the Project according to the Krishna Godavari Commission's Report. Now **no** staging is indicated.
3. As per the Krishna Godavari Commission's Report there was only a diversion weir and no sizable storage at Ujjani across the Bhima.
4. Now it is a full fledged storage of 107 TMC gross capacity (and 47 TMC. Live capacity) at Ujjani.
4. Utilisation under stage I and II was 42 TMC ~~under~~ ^{as per} the Krishna Godavari Commission's Report. Utilisation now proposed is 99 TMC the excess being 57 TMC.

According to the Krishna Godavari Commission figures,
utilisation under Maharashtra's Projects was as under:-

Particulars	Average annual diversification	Estimated evaporation losses from reservoirs and Tanks	Total
	TMC	TMC	TMC
Uses as in 1951	79.9	9.9	89.8
Development since 1951	51.4	7.2	58.6
Proposed Developments	158.5	49.1	207.6
Total	290.0	66.0	356.00

It is seen from the above, that the proposed total utilisation was 356 TMC, against the average yield estimated by the Krishna Godavari Commission of 400 TMC, leaving a balance of 44 TMC below the Maharashtra border. If the scope of the Bhima Project is enlarged as now done, from 42 TMC to 99 TMC, the utilisation by Maharashtra goes upto 413 TMC from 356 TMC which will result in a deficit of 13 TMC, in the supplies available to Mysore.

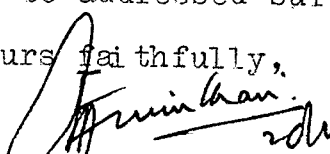
In fact 400 TMC, is the average yield, and the 75% dependable yield will be 25% to 30% less than the average and the deficit is therefore most likely to be greater than 13 TMC indicated above.

Mysore Government have cause for alarm at Maharashtra's exclusive appropriation of the Bhima waters and have therefore to urge on the Government of India to stay the Maharashtra Projects in the Bhima Valley.

In this connection, it is desirable to obtain the water account of all the projects of Maharashtra State cleared so far by the Government of India from 1951 to date, to know the present position in regard to committed utilisation under the projects in the Krishna Godavari in Maharashtra.

Government of India may please be addressed suitably.

Yours faithfully,


Chief Engineer, P.W.D.,
Investigation of Projects.

RE

BHIMA IRRIGATION PROJECT.

obtained from the
craze. (24)

Salient Features.

SL No	Items	PAWANA		UJJANI	
		Details	British Unit Metric Unit	Details	British unit Metric Unit
1	2		3		4
1)	Scope of scheme	An irrigation project with storage on Pawana and Bhim rivers near phagne and Ujjani respectively, with canals on Left and Right Banks irrigation 3,31,000 acres.			
2)	a. Source.	Pawana River tributary of Mula/Mutha/Bhima.			
	b. <u>Locations</u>				
	i) State	Maharashtra			
	ii) Region	Western Maharashtra			
	iii) District	Poona			
	iv) Taluka	Mawal.			
	v) Toposheet	47F/6			
	vi) Latitude	18° - 29' - 30" N			
	vii) Longitude	73° - 40' - 30" E			
3.	Upstream utilisation	Existing-Nil Proposed-Nil			
		Existing-			
		1) Khadakwasla			
		Project on Mutha			
		30.00 TMC			
		849 M.cu.m.			
		2) Pata Hydro			
		electric scheme			
		(at Mulsani, Lonavala and Andhra Lakes)			
		44.80 TMC.			
		1270 m.cu.metre.			
		3) Visapur Tank.			
		1.30 TMC.			
		37 m.c.mt.			
		4) Kukadi Project,			
		including Ghoddam			
		@ Chinchani			
		(Project under submission)			
		50.00 TMC.			
		1415 M.cu.metre.			
		Total.			
		Total = 126.10 TMC			
		3560 m.cu.mt.			
		Future planned.			
		Pawana			
		canals			
		5.97 TMC			
		169 m.cumt.			
4.	Yield and utilisation on the project.				
	i) Catchment area above dam.	43.5 sq.M. 11.28 sq.Km			
		5736 sq.M. 14,850, sq.Km.			
	ii) a. Average annual runoff	14708 Mcft 410 m.c.mt			
		307670 Mcft 8712 m.cum			
	b. 75% dependable runoff.	12.00 Mcft 345 m.c.mt.			
		221 TMC 6260 Mc.ft			

1	2	3	4
c. Gross Annual utilisation	<u>5968 Mcft</u> 169 m.cu.mt.	<u>94758 mcft.</u> 2680 M.c.m.	
d. Percentage of average of annual utilisation to average runoff.	40.5%	30.8%	
5. <u>Dam & reservoir.</u>			
i) Cross capacity of reservoir	<u>10781 Mcft</u> 305 M.c.mt	<u>107426 Mcft</u> 3040 M.c.mt.	
ii) Capacity of ~~dead~~ storage	<u>1100 Mcft</u> 31.1. m.c.mt.	<u>60000 Mcft</u> 1700 M.c.mt.	
iii) Capacity of live storage.	<u>9681 Mcft.</u> 274 M.c.mt.	<u>47426 Mcft.</u> 1342 M.c.mt.	
vi) Maximum water level	R.L.2018	R.L.1630	
v) Carry over	<u>80 Mcft</u> 3.06 M.cu.mt	<u>2565 Mcft</u> 72.5 m.cu.mt	
vi) Evaporation losses	<u>848 Acres</u> 24 m.cu.mt.	<u>19300 Mcft</u> 547 m.cu.mt	
vii) Area under submergence at F.R.L.	<u>5920 Acres</u> 2365 hectar	<u>72450 Acres.</u> 29000 hectar.	
viii) Type of dam	Rolled filled Earthen dam with central masonry spillway	Masonry Dam with Earthen side flanks	
ix) Max.height of dam			
a) From river bed.	<u>119.0 ft.</u> 36.3.metre.	<u>137 ft.</u> 41-8 metre.	
b) from deepest foundation	<u>141.0 ft.</u> 42.98 metre.	<u>142.0 ft</u> 43.28 metre.	
x) a) Total quantity of Earth work.	<u>63.46 Mcft.</u> 1.8 m.cu.mt.	<u>5.25 Mcft.</u> 0.14 m.cu.mt.	
b) -do- Concrete	<u>0.32 Mcft.</u> 9050 cu.mt.	<u>1.59 Mcft</u> 45000 cu.mt.	
-do- Masonry	<u>6.30 mcft.</u> 0.18 m.cu.mt	<u>27.09 Mcft</u> 0.77 M.cu.mt.	
c) Excavation	<u>4.04 Mcft</u> 0.115 m.cu.mt	<u>16-12 Mcft</u> 0.455 m.cu.mt.	
xi) Total.			
a) Length of Dam	<u>5577 ft.</u> 1702 metres.	<u>7646 ft.</u> 2330 metre,	
b) Masonry	<u>950 ft.</u> 289.56 M	<u>4400 ft.</u> 1341.12.M.	
c) Earthen	<u>4827 ft</u> 1471.27 m.	<u>3314 ft</u> 1010.11 ft.m.	
xii) Fix board	<u>8 ft</u> 2.44 m	<u>10 ft</u> 3.05 m	

1	2	3	4
xixiii) ~~Spillway~~			
a. Type	Ogee shaped gated over	Ogee shaped gated	
Flow.	Overflow section	overflow section	
b. Design flood	$\frac{44200 \text{ cfs.}}{1250 \text{ cu.metre sec.}}$	$\frac{530000 \text{ cfs}}{15000 \text{ cu.me.}}$	
c. Depth over crest.	$\frac{20 \text{ ft.}}{6.1 \text{ metre.}}$	$\frac{14 \text{ ft.}}{4.27 \text{ metre.}}$	
d. Length of spill way.	$\frac{182 \text{ ft.}}{51.5 \text{ metre}}$	$\frac{3256 \text{ ft.}}{922 \text{ metre.}}$	
xiv) Outlets.			
a. Location	a) in non-overflow Section on left bank from ch, 2130 to 2180 for Power outlet.	In Non-over-flow masonry section on left bank from ch 4368 to 4600	
~~xxxxxxx~~	b) In left bank earthen embankment at Ch. 700 for Irrigation.		
b. Type	Design not yet finanized.	Conduits rectangular with semi-circular arched roof.	
c. Full supply Discharge required	a) $\frac{422 \text{ cfs}}{11.9 \text{ cu.mc.sec}}$ b) $\frac{270 \text{ cft.}}{7.15 \text{ cu.mt}}$	$\frac{4200 \text{ cfs.}}{119 \text{ cu.mt.sec.}}$ -	
d. Maximum discharge which can be passed. Same as above		$\frac{5560 \text{ cft.}}{177 \text{ cu.mt.sec.}}$	
e. R.L.of the outlet still.	a) R.L.1943 b) R.L.1945 nil	R.L.1600 - nil	
	Pawana ' Main LBC ' Branch.	Ujjani Canals.	
1. Full supply discharge a head.	$\frac{270 \text{ cft.}}{7.15 \text{ cu m.sec.}}$ $\frac{152 \text{ dfs.}}{4.3 \text{ cum.sec}}$	$\frac{4200 \text{ cusecs}}{119 \text{ cu.m/sec.}}$	
2. Section of the canal at head.			
a) Bed width.	$\frac{12 \text{ ft.}}{3.62 \text{ met.}}$ $\frac{20 \text{ ft.}}{6.1 \text{ met}}$	$\frac{34.50 \text{ ft}}{25.73 \text{ met.}}$	
b) Side slopes.	$1\frac{1}{2}:1$ $\frac{1}{2}:1$	$\frac{1}{2}:1$	
c) Full supply depth	$\frac{5.5 \text{ ft.}}{1.525 \text{ met.}}$ $\frac{4.2 \text{ ft.}}{1.22 \text{ mett}}$	$\frac{15 \text{ ft,}}{4.58 \text{ met.}}$	
d) Free board	$\frac{2 \text{ ft.}}{0.61 \text{ met}}$ $\frac{2 \text{ ft}}{0.61 \text{ met.}}$	$\frac{3 \text{ ft.}}{0.91 \text{ met.}}$	

1	2	3	4
3) Description of canals.	Lined perennial Canals 28 Miles along falling contour.	Unlines perennial canal 23 miles along falling contour.	Unlined perennial canal 267 miles along falling contour.
4) Losses in Main Canal.	10%	20%	29%
8) Commanded area.	District. Poona		District Sholapur.
9) 1) Gross commanded area.	7000 Ac. 2832 ha	16000 Ac. 6475 ha.	444300 Ac. 179800 ha.
2) Area under existing wells and M.I. works if any.			
a) Wells.	NA		NA
b) M.I. Works.	nil	Ashta tank Saptam tank Talarang tank	5301 Ac. 2120 ha. 672 Ac. 270 ha. 166 Ac. 66.5 ha.
3) Irrigable AREA	4000 Ac. 1619 ha.	9100 Ac. 3685 ha.	317900 Ac. 128650 ha.
9) Irrigated crop pattern.	%	ACRES.	%
a) Sugarcane.	10%	1310	15%
b) Other perennials	5%	655	-
c) L.S. Cotton	-	-	12%
d) Two seasonals (Vegetables)	10%	1310	-
e) Kharif ~~seasonal~~ paddy.	40%	5240	25%
f) Kharif seasonals	5%	655	-
g) Rabi (Jowar & Wheat seasonals)	25%	3275	42%
h) Rabi Maize.	-	-	20%
i) Follow-on on Paddy. (Maize and gram)	20%	2620	5%
j) H.W. Seasonal	5%	655	2%
k) H.W. Groundnut on paddy			(21.5%)
Total.		13100 Ac. 5304 ha	3,17,900 Ac. 128650 ha
Total including follow on crops.		15700 ac. 6354 ha.	452000 Ac. 182910 ha
10) Intensity of irrigation to gross commanded area.		57%	72%
10) Normal rain fall in commanded area.		In inches at Poona 27.12. 688.8 mm.	In inches at Pandharpur. 23.82 605.9 mm

1	2	3	4
11) Soils in the commanded areas.	Soil survey is yet to be done & hence % age is not given	Soil survey is under progress and hence % age cannot be furnished.	
12) Existing Pattern of Cultivation.	% of Principal crop.	Total in TAC	% of Principal crop. Total in T.Acre
Perennials	1.6	0.3	0.4 1.42
Two seasonals.	4.0	0.74	7.5 26.6
Kharif seasonals	62.7	11.53	13.5 47.5
Rabi seasonals.	31.7	5.83	77.9 276.0
H.W.Seasonals.	--	--	0.7 2.43
		<u>18.4 T.Ac</u> 7.44 ha.	<u>354.0 T.Ac</u> 143.259 ha

13) Duties & deltas distributary head for the proposed irrigation crop.

a) Duties -

SL No.	Name of Crop	Kharif	Rabi	H.W.	Kharif	Rabi	H.W.
1.	Heavy perennials	65	70	50	65	-	100
2.	Other.	100	100	75	-	-	-
3.	Two seasonals (Veg)	200	100	-	-	-	-
4.	L.S.Cotton	-	-	-	200	400	100
5.	Kharif Paddy.	60	210	-	65	400	-
6.	Kharif seasonals	200	-	-	-	-	-
7.	Maize on Paddy	-	-	-	-	200	-
8.	Follow on Paddy Maize & grams.	-	210	-	-	-	-
9.	Groundnut on Paddy	-	-	-	-	400	-
10.	Rabi seasonals (Wheat)	-	-	-	-	150	-
11.	Rabi seasonals (Jowar)	-	175	-	-	-	-
12.	H.W.Seasonals.	-	-	100	-	-	100
13.	H.W. Groundnut	-	-	-	-	-	100

b) Delta in feet @ Distributary head.

SI No.	Name of crop	Kharif.	Rabi.	H.W.	Total.	Kharif.	Rabi	H.W.	Total
1.	Heavy perennials.	3.8	3.5	4.8	12.1	3.8	-	2.4	6.2
2.	Other perennials	2.4	2.4	3.2	8.0	-	-	-	-
3.	Two seasonals (Vegetables)	1.2	2.4	-	3.6	-	-	-	-
4.	L.S.Cotton.	-	-	-	-	1.2	0.6	-	1.8
5.	Khariff paddy.	3.8	1.2	-	4.0	3.8	0.6	-	4.4
6.	Kharif seasonals	1.2	-	-	1.2	-	-	-	-
7.	Maize on Paddy	-	-	-	-	-	1.2	-	1.2
8.	Follow-on paddy, Maize and gram.	-	-	-	-	-	-	-	-
9.	Ground nut on Paddy	-	1.2	-	1.2	-	-	-	-
10.	Rabi seasonals (wheat)	-	-	-	-	-	0.6	-	0.6
11.	Rabi seasonals (Jowar and Wheat)	-	1.5	-	1.5	-	-	-	-

// 6 //

1.	2	3	4	5	6	7	8	9	10
12. H.W. Seasonals	-	1-5	2-4	2.4	=	-	2-4	2.4	
13. H/W. Groundnut	-	-	-	-	-	-	2.4	2.4	
14. Total cropped area		15,720 Ac				4,52,000 Ac.			
		6354 ha.				182910 ha.			
15. Utilisation @ canal head		3408 Mcft				75400 Mcft.			
		96 m.cu.m.				2135 m.cu.m.			
16. -do- @ Distributory head		2899 Mcft.				55300 Mcft.			
		82 mcum.				1566 m.cu.m.			
17. Av. delta incl. canal losses		4.98 ft				3.8 ft.			
		1.52 m.				1.17 m.			
18. Av. delta excl. -do-		4.24 ft.				2.8 ft.			
		1.30 m.				0.86 m.			

14. Cost of scheme (works portion only)	Rs. in lakhs.	Rs. in lakhs	Total
a) Dam & head works.	423.01	1355.69	1768.70
b) Canals	137.42	1719.02	1856.44
c) Distributaries	9.20	167.76	176.96
Total	559.63	3242.47	3802.10

d) Cost per mcft. of	Pl. refer para 11-1-00
Storage Gross. Rs. 3832/-	Rs. 1266/-
-do- Live. Rs. 4266/-	Rs. 2866/-

15. Cost per acre: Combined cost of the scheme is given as under:

a) Cost per acre irrigated.	Rs. 1236/-
b) Cost per acre irrigated cropped area.	Rs. 872/-
b) -do- Seasonal area.	Rs. 394/-
d) -do- mcft. of water utilised.	Rs. 3780/-

16. Benefit cost Ratio 6.29

17. Percentage returns.

- a) On capital expenditure. 4.47%
- b) On capital expenditure less-betterment levy. 5.36%

29/4/67

Appendix F. G.—I]

SUBJECT *Projects - Maharashtra State in Krishna basin - cleared so far*
by the Govt of India from 1951 to date - Information regarding

Diary No. of letter replied to.....-

Mysore Government Secretariat.

(P. W. D.)

the 31- 5 - 1967.

Date of issue.....

Signed by.....

p. 109 c. 2

List of enclosures.....

Copied by.....

Examined by.....

Section *Special Insn.*

File No. PWD 17 BRA 66.

Serial No.

N.D. PWD 17 BRA 66.

To *The Chairman Central water and Power*
Commission (water wing) New Delhi.

Sir,

Ref:- Correspondence relating with your letter
 No. F.No. 8/15/66-TE. dt. 3-1-67.

— x —

With reference to the above, I
 am directed to request you kindly to furnish
 this State Govt; the water account of all the
 Projects of Maharashtra State cleared so far
 by the Govt of India from the year 1951
 to-date in the Krishna basin, with
 necessary details so as to check up ~~that~~ ^{whether} the
 utilisation under ~~these~~ ^{these} Projects has not
 exceeded the provisionally allocated quantity
 of water to that State.

An early compliance is requested.

yours faithfully

Secy to Govt.

Pw & E. Dept.

for
 3/5/67

GOVERNMENT OF MYSORE

No.PWD 17 BRA 66

Mysore Government Secretariat

Vidhana Soudha
Bangalore Dated the 14th May '67

From :-

The Secretary to Government of Mysore
Public Works and Electricity Dept;
Bangalore.

To,

The Secretary to the Govt. of India,
Ministry of Irrigation & Power,
New Delhi.

Sir,

Sub:- Bhima-Ujjani Irrigation Project across Bhima
River in Sholapur District, Maharashtra.

It is reported that clearance has been accorded =
for the construction of the Bhima-Ujjani Project across
Bhima River in Maharashtra and that the said project has
been taken up for construction by the Maharashtra Govt.
It is seen from the K.G.Commission Report that the utilis-
ation proposed under Bhima Project was only 42 T.M.Cft.
whereas the Project now under construction contemplates
the utilisation of 99 T.M.Cft. It is clear therefore,
that the utilisation under this Project as now proposed
is much more than what it was originally envisaged.
It is quite possible that similarly other Projects in
Maharashtra State which have been cleared by the Govt.
of India and are taken up for construction, may if the
utilisation under all such projects is totalled up go
beyond the interim allocation of 400 T.M. Cft. made to
Maharashtra Govt. in the statement made by the Union
Minister of Irrigation and Power in March 1963.

With a view to ensure that the utilisation under
the Projects cleared so far by the Govt. of India does
not exceed the interim allocation made, it is necessary
to know the details of the various projects so far
cleared and the utilisation proposed under them.

A request has already been made in this regard for

p.t.o.

2 IS-...
14/6/67

supply of the above particulars in Govt. letter No. F. 1 E.M. 59 dated 12-4-1937 (copy enclosed). I am directed, therefore, to request you to kindly furnish the particulars required at a very early date.

Yours faithfully,

Sd. (S.K. Mohan)
Under Secretary to Government,
P.W.D. (Technical).
Copy to the Chief Engineer, Investigation of Projects,
Bangalore.

Sc
1
(S.K. Mohan)
Under Secretary to Govt.
P.W.D. (Technical).

ca/

1
32
14/6.

POD 17 BRAB6

27/6/67

35.

To, The Secretary to Govt. of India.
Ministry of Irrgn. and Power
New Delhi.

2. 10. The Chief Engineer.

Investigation of Projects
Bangalore.

(2)

Recd
14/6/67

Recd at
6.10 PM

PWD 17 BRA 66.

To,

The Secretary to the Govt. of India
Ministry of Irrigation and Power
New Delhi.

Sir,

Sub: — Bhima-Lijami Irrigation Project
across Bhima River in Sholapur
Dist. Maharashtra

— x —

I am directed to invite
Reference to this State Govt. letter no.
PWD 17 BRA 66 dt. 14-5-67 on the above
subject and to request you to
kindly furnish the particulars at
an early date.

yours faithfully.

4/

U.S. to Govt.
PWD (T).

5/7/67

17 BRA 66

16th July, 67

The Secretary to the Govt. of India,
Ministry of Irrigation & Power,
New Delhi.

Sir,

Sub:- Bhima - Ujjani Irrigation Project across
Bhima River in Sholapur District, Maharashtra.

I am directed to invite reference to this State Govt.
letter No.PWD 17 BRA 66 dated 14-5-1967 on the above
subject and to request you to kindly furnish the particulars
at an early date.

Yours faithfully,

S/c

(S.K. Mohan)

Under Secretary to Government,
P.W.D. (Technical).

S/c
7/7/67

cn/

Insured
10/7/67
10/7/67
10/7/67

Appendix F. G.—I]

SUBJECT *Bhima - Vijani Irrigation Project across Bhima River*
 *in Solapur Dist., Maharashtra State.*

Diary No. of letter replied to

Section *Spl. Irrgn.*File No. *PWD 17 BRA 66.*

Mysore Government Secretariat.

Serial No.

(*P.W.D.*)

the 196 .

No. *PWD 17 BRA 66.*

Date of issue.....

To

The Secretary to the Govt. of India
Ministry of Irrig. and Power New-Delhi.

Signed by

Sir,

I am directed to invite reference to
this State Govt. letter no. PWD 17 BRA 66
dated 14-5-67 and subsequent reminder
of even no. dated 10-7-67 on the
above subject and to request you
to kindly furnish the particulars at
an early date.

List of enclosures.....

yours faithfully

Copied by.....

*U.S. to Govt.**PWD (T):*

Examined by.....

27/7/67

GOVERNMENT OF MYSORE

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, ~~31st July~~ 1967.

No. PWD 17 BRA 66

1-8 -

From

The Secretary to the Govt. of Mysore,
Public Works & Electy. Dept.

To

The Secretary to the Govt. of India,
Ministry of Irrigation & Power,
New Delhi.

Sir,

Sub:- Bhima - Ujjani Irrigation Project across Bhima River
in Sholapur District, Maharashtra State.

I am directed to invite reference to this State Govt. letter No. PWD 17 BRA 66 dated 14-5-1967 and subsequent reminder of even number dated 10-7-1967 on the above subject and to request you to kindly furnish the particulars at an early date.

Yours faithfully,

o/c.

[Signature]

(S.K. Mohan)

Under Secretary to Government,
P.W.D. (Technical).

cn/

[Stamp: Issued 1/8/67]

[Signature]
2/8/67

NO. PWD 17 BRA 66.

To, The Secretary to the Govt; of India
Ministry of Irrigation and Power
New-Delhi

Sir,

Sub.— Bhima - Ujjani Irrigation
Project across Bhima River in
Sholapur Dist. Maharashtra State.

— x —

I am directed to invite
reference to this State Govt; letter No.
PWD 17 BRA 66 dated 14.5.1967 and
subsequent reminders thereon dated 10.7.67
and 1.8.1967 on the above subject and
to request you to kindly furnish the
particulars at an early date.

yours faithfully

U.S. to Govt;

PWD (T).

95 ^{for} 20/8/67

17 BRA 66

31/8
30th August, 67

The Secretary to the Govt. of India,
Ministry of Irrigation & Power,
New Delhi.

Sir,

Sub:- Bhima - Ujjani Irrigation Project across
Bhima River in Sholapur Dist. Maharashtra State.

I am directed to invite reference to this State Govt. letter No. WD 17 BRA 66 dated 14-5-1967 and subsequent reminders thereon dated 10-7-67 and 1-8-1967 on the above subject and to request you to kindly furnish the particulars at an early date.

Yours faithfully,

q/c

ly

(S.K. Mohan)

Under Secretary to Government,
P.W.D. (Technical).

Issued
31.8.67
cn/

30/8/67

No.DW.II-10/5/67
Government of India
Ministry of Irrigation and Power

....

New Delhi, the 26 September, 1967.

The Secretary to the Govt. of Mysore,
Public Works & Electricity Department,
Bangalore.

Subject: Bhima - Ujjani Irrigation Project across Bhima River in Sholapur District Maharashtra State.

..

Sir,

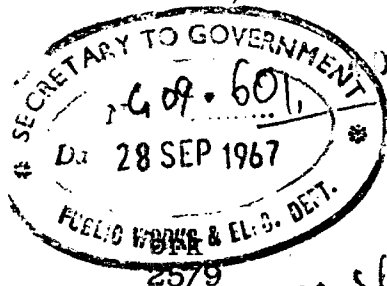
I am directed to refer to your letter No.PWD 17 BRA 66, dated the 31st August, 1967, and to say that a list of projects sanctioned for Maharashtra and Andhra Pradesh in Krishna Basin was forwarded by the Union Minister of Irrigation and Power to the Minister for Public Works, Mysore vide his D.O. letter No.DW.II-32(23)/63 dated the 29th June, 1967.

Yours faithfully,

SLR

(R.L. Mohan)

Under Secretary to the Govt. of India



U.S. (T)
Specil 9 Sahin
28/9

29/9
SLR

Appendix F. G.—I]

SUBJECT *Bhima - Ujjani Irrigation Project across Bhima River*
in Sholapur Dist. Maharashtra State.

Diary No. of letter replied to..... 3474

Mysore Government Secretariat.

(P. W. D.)

the 10th Nov. 1967.

Date of issue.....

Signed by.....

Page 284 to 288 in file no.
 PWD 1 BRA 59 placed
 below.

List of enclosures.....

Copied by.....

Examined by.....

Section Spl. Ingn.

File No. PWD 17 BRA 66.

Serial No. 42.

Secret / Immediate

N.O. PWD 17 BRA 66.

To The Chief Engineer,
 Investigation H.E. & J.D.
 Bangalore.

Sir,

I am directed to forward herewith
 a copy of list of Projects sanctioned
 for Maharashtra and Andhra Pradesh
 in Krishna basin, received from Govt of
 India, Ministry of Ingn. and Power
 New Delhi on the above subject and
 to request you to ^{examine} ~~furnish~~ a report
 as to the effects of such clearances by
 Govt of India in Maharashtra state
 on the rivers entering our border.

I further to request you to examine
 and also whether the projects contemplated in
 our state would ~~seriously~~ be affected.

This may kindly be treated
 as most urgent and ^{the particulars} report furnished
 immediately. ^{as per} ~~as per~~ ^{promise}
 Yours faithfully

By
 U.S. to Govt
 PWD (T).

44
SECRET/ IMMEDIATE./

PWD 17 BRA 66

24
15th November

7

The
Public Works Department, Bangalore.

The Chief Engineer, Investigation,
H.E. & I.P., Bangalore.

Sir,

Sub:- Bhima-Ujjani Irrigation Project across
Bhima River in Sholapur District, Maha-
rashtra State.

I am directed to forward herewith a copy of
list of Projects sanctioned for Maharashtra and Andhra
Pradesh in Krishna basin, received from Government of India,
Ministry of Irrigation and Power, New Delhi on the above
subject and to request you to examine as to the effects of
such clearances by Government of India in Maharashtra State
on the rivers entering our border and also whether the
projects contemplated in our state would be effected.

This may kindly be treated as urgent and the
particulars furnished as expeditiously as possible.

Yours faithfully,

O/c 4

(S.K. Mohan),
Under Secretary to Government,
Public Works Department (Technical).

23/11/67

pGp/-

11/11/67
24/11/67

KRISHNA RIVER SYSTEM

ANNUAL DIVERSION IN T. M. C.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
State.	Pre-Plan	1st Plan	2nd Plan	3rd Plan	Total
		1951-56	1956-61	1961 - 66	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
1	2	3	4	5	6
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Maharashtra	86	18	102	161	367
Mysore	85	180	63	130	458
Andhra Pradesh	363	319	32	7	721
Total:	534	517	197	298	1546
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					

KRISHNA RIVER SYSTEM

ANDHRA PRADESH.

Projects in operation in 1951

Pre-Plan.

	Annual diversion in T.M.C.	Reservoir losses in T.M.C.
1. Krishna Delta System.	214.0	-
2. Kurnool Cuddapah Canal.	39.9	-
3. Dindi.	4.6	0.7
4. Paler.	3.5	1.1
5. Pakhal.	1.9	1.0
6. Muniyeru	3.7	-
7. Wyra	3.1	1.0
8. Minor Schemes.	92.4	-
Total:-	363.1	3.8

Projects which came into operation after 1951 and those under construction.

(First Plan:-

1. Tungabhadra Project (A.P. Share).	23.9	9.0
2. Rajolibunda Diversion (A.P. Share)	15.9	-
3. Musi	8.4	1.0
4. Bhairavanitippa.	4.1	0.8
5. Koilsagar	3.4	0.5
6. Nagarjuna Sagar.	263.6	14.0
	319.3	25.4

Second Plan:

7. Tungabhadra High Level Canal (Andhra Pradesh Share).	32.5
--	------

Third Plan:

8. Lankasagar.	0.8	0.2
9. Kotepallivagu.	1.7	0.3
10. Okachettivagu.	4.3	0.5
11. Srisaillan.	6.8	33.0
Total	6.8	34.0
Grand Total:-	721.7	63.2

Fourth Plan

12. Gandipalem.
13. Gajuladinne.
14. Gunḡur Channel.

47

KRISHNA RIVER SYSTEM

MAHARASHTRA.

Projects in operation in 1951.

Pre-Plan.

	Annual Diversion in T.M.C.,	Reservoir losses in T.M.C.
1. Krishna Canal.	1.4	-
2. Nehr Tank	0.3	0.1
3. Mutha Canals.	4.9	0.5
4. Vispur Tank.	1.3	0.1
5. Nira Canals.	32.3	2.3
6. Ashti Tank.	0.5	0.4
7. Mhaswad Tank.	1.6	0.6
8. Ekruk Tank.	1.0	1.2
9. Tata Hydel Scheme.	42.6	2.4
Minor Schemes.	1.1	0.9
Total:-	87.0	8.5

Projects which came into operation since 1951,
and those under construction

First Plan.

1. Ghod Dam.	8.4	2.0
2. Radhanagari.	6.5	0.6
3. Budihal.	0.8	0.1
4. Mangi Tank.	0.9	0.2
5. Khasapur Tank	1.0	0.3
Total	17.6	3.2

Second Plan:

6. Vir Dam.	14.4	0.3
7. Khadakwasla Stage I	17.5	0.6

	<u>Annual diversion in T.M.C.</u>	<u>Reservoir losses in T.M.C.</u>
8. K a d a	0.4	0.1
9. Mehekari	0.6	0.1
10. Chandni.	0.7	0.3
11. Harni.	0.5	0.1
12. Koyna Hydrl Stages I & II	67.5	4.5
13. Sholapur City Water Supply.	1.6	
Total:-	103.2	6.0

Third Plan.

14. Kurnoor.	1.4	0.4
15. Bhina.	70.0	10.2
16. Krishna	33.3	3.3
17. Warna	50.2	7.0
18. Minor Schemes	6.0	5.1
Total:-	160.9	36.0

Grand Total:-

368.7

53.7

Fourth Plan:

19. Tulshi.

KRISHNA RIVER SYSTEM

M Y S O R E.

Projects in operation in 1951 Pre-Plan.

Annual diver- Reservoir loss
sion in T.M.C. in T.M.C.

Gokal Canal System.	1.4	-
2. Bhadra Anicut Channels.	3.1	-
3. njanapur Reservoir.	222 2.2	0.3
4. Dharma Canal System.	1.4	-
5. Venivilas Sagar.	5.9	2.3
Minor Schemes.	59.4	-
Total	83.4	2.6

Say 85

Projects which came into operation after 1951 and those under construction. First Plan:

1. Thungabhadra.	111.3	9.0
2. Rajolibanda.	1.2	-
3. Ghataprabha Stage.1	56x08x	-
4. Bhadra Reservoir.	56.8	4.9
5. Tunga Anicut.	8.8	-
6. Ambligola Reservoir.	1.3	0.1
Total:-	179.4	14.0
Say	180	

Second Plan:-

7. Ghataprabha.	34.8	1.9
8. Harinala.	0.6	0.2
9. Hathikoni	0.4	0.1
10. Tungabhadra High Level Canal	17.5	-
11. Janbadahalla.	0.6	0.1
12. Dharma Reservoir.	0.6	0.2
13. Hagari Bommahalli.	1.5	0.5
14. Kanakmala.	0.3	0.1
15. Minor Schemes.	7.1	-

Third Plan:-

Total	63.4	3.1
16. Malaprabha.	31.1	6.1
17. Upper Krishna.	98.0	5.0
Total:-	129.1	11.1
Grand Total:-	457.5	30.8

23/11
pGP/-

... Officer
... P. A. G. S.

SECRET

50

GOVERNMENT OF MYSORE

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, 11-3-1968

No. PWD 17 BAA 66

From

The Secretary to the Govt. of Mysore,
Public Works & Electricity Dept.

To

The C.F. H.E. & P. Bangalore

Sir,

Sub:-

As at page 44 C.F.

I am directed to invite reference to the Govt. letter of even number/~~your letter No.~~ dated 24-11-67 and the P44CF subsequent reminder of even number dated.....on the above subject, and to request you kindly to expedite reply/~~report/information~~ called for therein immediately. ~~This question is pending since~~

Yours faithfully,

ISSUED
Dated 11/3/68 ch

[Signature]
Under Secretary to Government,
P.W.D. (Technical).

GOVERNMENT OF MYSORE

51

HYDROELEC

Tele: _____

OFFICE OF THE CHIEF ENGINEER, P.W.D., INVESTIGATION
OF HYDRO ELECTRIC AND IRRIGATION PROJECTS,
ANANDARAO CIRCLE,
POST BAG NO. 8.

D. O. No. VIH/CEI/KGC/2/TA4

Encl :

Bangalore-9. dated 19-3-67 ✓

B. ASWATHANARAYANA GOWDA, B.E., AMIE,
Executive Engineer (P&I)

Dear Shri M. Channappa

Sub: Bhima-Ujjani Irrigation Project
across Bhima River in Sholapur
District of Maharashtra State.

Ref: Govt. letter No. PWD 17 BRA 66 dated 7/11-3-68. p 50 CR

PWD (Spl. Irrgn).
No 808 Date 20/3/68.

I request you kindly to send a copy of the
original Government letter No. PWD 17 BRA 66 dated
24-11-67, as the same is not traceable in this
office.

Yours sincerely

(Signature)
(B. Aswathanarayana Gowda)

Shri M. Channappa, B.E., AMIE,
Deputy Secretary to Government
Public Works Department
Vidhana Soudha
BANGALORE-1.

18/3

SECRET

52

Secret - Immediate No P.W.D 17 BRA 66

To

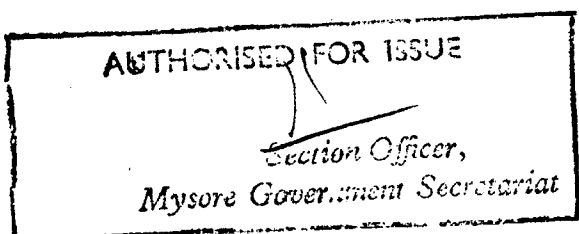
The C.E. Inon. H E 2 9 P
Bangalore

Sir,

Sub: As at page 51.C.F

With reference to your letter no
P 51CF CEIH/CEI/KRC/2/TAY d 19-3-68
~~addressed to Govt~~ on the above
subject, I am directed to forward
herewith a copy of ~~the original~~ Govt.
P 44CF letter of even no d 24-11-67
together with its enclosures as
desired by you.

The particulars called for therein may
please be furnished accordingly.



Y F.
4/5 to Govt.
P.W.D. (Technical)
H 20/3 R

SECRET-IMMEDIATE.

PWD 17 BRA 66.

with enclosures.

26 March, 68

The
Public Works Department, Bangalore.,

The Chief Engineer (Invn),
Hydro Electric & Irrn. Projects,
Bangalore.

Sir,

Sub:- Bhima-Ujjani Irrigation Project across
Bhima River in Sholapur District of Maha-
rashtra State.

-10.-

With reference to your D.O. Letter No. CFIH/CEM/
ICRC/2/TA4 dated 19.3.1968 on the above subject, I am
directed to forward herewith a copy of Government
letter of even number dated 24.11.1967 together with
its enclosures as desired.

The particulars called for therein may please be
furnished immediately.

ISSD
cc. 26/3/68 db

Yours faithfully,
Sd/-S.K. Mohan,
Under Secretary to Government,
Public Works & Elec. Department.

Authorized for issue,

OK *[Signature]*

Section Officer, P.W. & Elec. Dept.

25/3/68
krs.22/2.

Secret/Immediate

Copy of letter No.PWD 17 BRA 66 dated 24.11.1967 from the Under Secretary to Government, Public Works & Elec. Department(Tech), Govt. of Mysore, Bangalore, addressed to the Chief Engineer. Investigation, H.F.& I.P., Bangalore.

- :0: .

Sub:- Bhima -Ujjani Irrigation Project
across Bhima River in Sholapur Dist.
Maharashtra State.

:0: -

I am directed to forward herewith a copy of list of Projects sanctioned for Maharashtra and Andhra Pradesh in Krishna basin, received from Government of India, Ministry of Irrigation and Power, New Delhi on the above subject and to request you to examine as to the effects of such clearances by Government of India in Maharashtra State on the rivers entering our border and also whether the projects contemplated in our state would be effected.

This may kindly be treated as urgent and the particulars furnished as expeditiously as possible.

Sd/-S.K.Mohan.

Under Secretary to Government,
Public Works & Elec. Dept(Tech).

Krishna River System.

"Copy"

Annual Diversion in T.M.C.

State.	Pre-Plan	1st Plan 1951-56	2nd Plan 1956-61	3rd Plan 1961-66	ota.
1	2	3	4	5	6
Maharashtra.	86	18	102	161	367
Mysore.	85	180	63	130	458
Andhra Pradesh.	363	319	32	7	721
Total:	534	517	197	298	1,546

- 2 -

**KRISHNA RIVER SYSTEM
ANDHRA PRADESH.**

Projects in Operation in 1951	Annual diversion in T.M.C.	Reservoir losses in T.M.C.
<u>Pre-Plan.</u>		
1. Krishna Delta System	214.0	-
2. Kurnool Cuddapah Canal.	39.9	-
3. Dindi.	4.6	0.7
4. Paler.	3.5	1.1
5. Pakhal.	1.9	1.0
6. Muniyerg.	3.7	-
7. Wyra	3.1	1.0
8. Minor Schemes.	22.4	-
	-----	-----
Total:-	363.1	3.8
	-----	-----

Projects which came into operation after 1951
and those under construction.

(First Plan).

1. Tungabhadra Project (A.P.Share)	23.9	9.0
2. Rajokibunda Diversion(-do-)	15.9	-
3. Musi.	8.4	1.1
4. Bhairavanitippa.	4.1	0.8
5. Koilsagar.	3.4	0.5
6. Nagarjuna Sagar.	262.3	14.0
	-----	-----
Total:	319.3	25.4
	-----	-----

Second Plan.

7. Tungabhadra High Level Canal (Andhra Pradesh Share).	32.5
--	------

Third Plan:

8. Lankasagar.	0.8	0.2
9. Kotepallivagu.	1.7	0.3
10. Okachettivagu.	4.3	0.5
11. Srisailem.	-----	33.0
	-----	-----
Total.	6.8.	34.0
	-----	-----
Grand Total:	721.7	63.2
	-----	-----

Fourth Plan:

12. Gandipalam.		
13. Gajuladinne.	1181	784.9
14. Guntur Channel.		

KRISHNA RIVER SYSTEM

MAHARASHTRA

Projects in operation in 1951.		Annual	Reservoir
Pre-Plan.		Diversion	losses in
		in TMC.	TMC
1. Krishna Canal		1.4	-
2. Nehr Tank		0.3	0.1
3. Mutha Canals		4.9	0.5
4. Vispur Tank		1.3	0.1
5. Nira Canals		32.3	2.3
6. Ashti Tank		0.5	0.4
7. Mahaswad Tank		1.6	0.6
8. Ekruk Tank		1.0	1.2
9. Tata Hydrel Scheme		42.6	2.4
Minor Schemes		1.1	0.9
Total		<u>87.0</u>	<u>8.5</u>

Projects which came into operation since 1951.-
and those under ~~consideration~~.

First Plan.		<i>Construction</i>	
1. Ghod Dam.		8.4	2.0
2. Radhanagari		6.5	0.6
3. Budihal		0.8	0.1
4. Mangi Tank		0.9	0.2
5. Khasapur Tank		1.0	0.3
Total		<u>17.6</u>	<u>3.2</u>

Second Plan:

6. Vir Dam.		14.4	0.3
7. Khadakwasla Stage I		17.5	0.6

	Annual diversion in TMC.	Reservoir Losses in TMC.
8. Kada	0.4	0.1
9. Mehekari	0.6	0.1
10. Chandni	0.7	0.3
11. Harni	0.5	0.1
12. Koyna Hydel Stages I & II	67.5	4.5
13. Sholapur City Water Supply	1.6	-
Total	103.2	6.0

Third Plan.

14. Kurnoor	1.4	0.4
15. Bhima	70.0	20.2
16. Krishna	33.3	3.3
17. Warna	50.2	7.0
18. Minor Schemes	6.0	5.1
Total:	160.9	36.0

Grand total: 368.7 53.7

Fourth Plan.-

19. Tulshi.

2.91 .

371.61. + 53.7.

= 425.31.

KRISHNA RIVER SYSTEM
MYSORE

<u>Projects in operation in 1951</u> <u>Pre-Plan.</u>	Annual diver- sion in TMC.	Reservoir losses. in TMC.
Gokal Canal System	1.4	-
2. Bhadra Anicut /Channels	3.1	-
3. Anjanapur Reservoir.	2.2	0.3
4. Dharma Canal System	1.4	-
5. Vanivilas Sugar.	5.9	2.3
6. Minor Schemes.	69.4	-
Total	83.4	2.6
	say 85.	
Projects which came into operation after 1951 and those under construction.- First Plan.		
1. Thungabhadra	111.3	9.0
2. Rajolibanda	1.2	-
3. Ghataprabha Stage	-	-
4. Bhadra Reservoir.	56.8	4.9
~~4. Ghataprabha Stage-1~~	~~22.4~~	~~2.3~~
5. Tunga Anicut	8.8	-
6. Ambligola Reservoir.	.13	0.1
Total:	179.4	14.0
	Say 180	
Second Plan.-		
7. Ghataprabha	34.8	1.9
8. Narinala	0.6	0.2
9. Hathikoni	0.4	0.1
10. Tungabhadra High Level Canal	17.5	-
11. Jambadahalla	0.6	0.1
12. Dharma Reservoir	0.6	0.2
13. Hagar Bommanahalli	1.5	0.5
14. Kanakanala	0.3	0.1
15. Minor Schemes.	7.1	-
Total	63.4	3.1
Third Plan:		
16. Malaprabha	31.1	6.1
17. Upper Krishna	98.0	5.0
Total	129.1	11.1
Grand total	457.5	30.8

--:copy:--

GOVERNMENT OF MYSORE

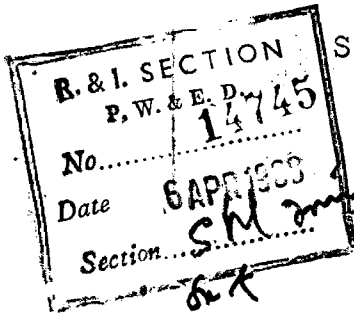
Tele: HYDROELEC
29401

No. CEIH/KGW/TA4.
Encl :

OFFICE OF THE
CHIEF ENGINEER, P. W. D., INVESTIGATIONS
HYDRO-ELECTRIC PROJECTS,
ANANDARAO CIRCLE, POST BAG No. 8,
Bangalore-9, dated 4-4-68

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha, Bangalore - 1.



Sir,

Sub:- Bhima - Ujjani Irrigation Project
across Bhima river in Sholapur
District of Maharashtra state.

Ref:- Govt. letter No. PWD 17 BRA 66 | P. 53.C.F.
dated 26.3.1968.

.....

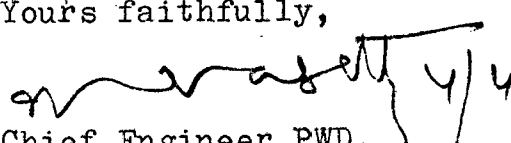
PWD (Spl. Insn).

No 1016 L-2 8.4.68

Adverting to the above, I write to state that

the remarks on the list of projects sanctioned for
Maharashtra and Andhra Pradesh in Krishna Basin and
the ~~posi~~tion regarding availability or ~~ot~~herwise
of water for projects in Mysore has already been
furnished to Government under this office letter
No. CEI/KGW/TA4 dated 20.11.67.

Yours faithfully,


Chief Engineer, PWD,
Invn. HE&IP, Bangalore 9.

3
6/4

62

KGW/TA4.

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha, Bangalore - 1.

Sir,

Sub:- Bhima - Ujjani Irrigation Project
across Bhima river in Sholapur
District of Maharashtra state.

P132 | Ref:- Govt. letter No. PWD 17 BRA 66
dated 26.3.1968.

.....

P163 | Adverting to the above, I write to state that
the remarks on the list of projects sanctioned for
Maharashtra and Andhra Pradesh in Krishna Basin and
the position regarding availability or otherwise
of water for projects in Mysore has already been
furnished to Government under this office letter
No. CEI/KGW/TA4 dated 20.11.67.

Yours faithfully,

fair 9/2 *3/4*
Chief Engineer, PWD,
Invn. HE&IP, Bangalore -9.

3/4

No. PWD 17 BRA 66.

To The Chief Engineer

Inm. of H.E. & P. Bangalore.

Sir,

Sub: ~~Bhima~~

as at page 59 C.F.

— x —

I am directed to refer to your letter No. CE/H/KGW/TAG dt: 4-4-68 on the above subject ~~and to state that the~~
~~your office letter No. CE1/KGW/TAG dt: 20.11.67~~
~~under which the particulars called for is~~
~~said to have been furnished is not~~
~~and~~
~~avail traceable. Therefore~~ I am to request
 you to kindly make available a copy
 letter no CE1/KGW/TAG dt 20.11.67
 of the ~~same~~ at an early date.
 Reference is therein as the same as not
 reaching available for reference

yours faithfully,

91
 S.O.
 PWD
 15/4/68

GOVERNMENT OF MYSORE

SECRET

No.CEIH/KGW/TA 4

Office of the
Chief Engineer, P.W.D. Invn.
Hydro Electric Projects,
Anandarao Circle P.B.No.8.
Bangalore dated 20-11-1967.

To
The Secretary to Government of Mysore,
Public Works & Electricity Department,
Vidhana Soudha, B a g a l o r e - 1.

Sir,

Sub:- Allocation of Krishna and Godavari waters.

Ref: Government letter No.PWD 1 BRA 59 dated 20th October 67.

Remarks on the record of discussions held on 6th October 67
in the Chambers of the Secretary, Ministry of Irrigation and Power,
Government of India are enclosed herewith for favour of further action.

In this connection kind reference is invited to Chief Engineer
(North) letter No.IPV/KGW/67-68/23 dated 6-11-67 addressed to Government
on the above subject.

Yours faithfully,

Sd/-
Chief Engineer,
Invn. HE&IP B'lore-9.

Remarks on the points raised in the Summary Record of
discussions held on 6.10.1967 A.N. under the Chairmanship of Secretary
Irrigation and Power Ministry, to review the requirements of new project
s in Krishna River System in the States of Maharashtra, Mysore and
Andhra Pradesh.

Annual diversion so far sanctioned for projects in Krishna
basin:-

(i) Statement of utilisation under Mysore Projects:-

(a) For pre-plan schemes the figures of annual diversions
given in the statement (Dr.K.L.Rao's statement) tally with
those given in page 133 and 147 of KGC's Annexure VIII. Reser-
voir losses also tally with the figures given in pages 119 &
127 of the same annexure.

However, under minor schemes reservoir losses
which will amount to 56 TMC calculated according to the
procedure given in page 167 of the main report is not inclu-
ded in the statement.

(b) The annual diversion under Ist, IInd and
IIIRD Plan schemes in the statement works out to $(180+63.4+129.1=372.5)$
TMC as against the figure of 406.71 TMC given by the Chief Engineer
Irrigation Projects, under his No.LAQ/TAP-67/710-11 dated 30-5-67
addressed to Government and copied to this office. This discrepancy
may be got clarified from the ~~xxxxxxxixxxxxxxaddxxxxxx~~ xxxxxxxxx
Chief Engineers, Irrigation Projects (South) and (North). This

office also has addressed them in the matter. The above figures include evaporation losses. In this connection it is desirable to have figures excluding evaporation losses.

(c) Diversion and losses under minor schemes is not given under Ist and III Plan schemes in the statement. This has to be included. These figures may kindly be obtained from the Chief Engineer (General). This office also have addressed the Chief Engineer (General) in the matter.

(ii) Statement of utilisation under Maharashtra Projects:-

The total utilisation inclusive of losses for projects up to the end of II Plan in Maharashtra is 422 TMC which exceeds the interim allocation of 400 TMC for Maharashtra.

During my discussion on the Dudhanga project, with the Chief Engineer, Maharashtra and Member (WR) Central Water and Power Commission at Delhi on 11-2-67, the Member (WR) explained that the allocations of 400, 600 and 800 TMC are respectively for Maharashtra, Mysore and Andhra Pradesh are the actual withdrawals and do not include the evaporation losses. This may kindly be got clarified.

Also it may be observed that minor schemes are not included in the list under I, II Plans. These require to be included.

(iii) Statement of utilisations under Andhra Pradesh Project:-

In the list of schemes of Andhra Pradesh, losses under minor schemes are omitted, under pre-plan projects. Utilisation and losses of minor schemes is completely left out under the I, II and III Plans. These should be included, in the water account.

(2) List of proposed irrigation and utilisation under future Projects of Mysore.

List in Annexure II regarding future schemes of Mysore showing proposed irrigation and likely water requirement may be replaced by the enclosed statements which are based on the latest information available.

(3) How the water requirements given in the enclosed lists are worked out :-

The water requirement for Major and Medium irrigation schemes is worked out generally on the following basis:

1. Sugar Cane - 107"
2. Paddy - 66"
3. Khariff-Winter - 217"
4. Rabi-Winter - 24"
5. Hot weather - 24"
6. Garden - 60"

(4) Position regarding availability or otherwise of water for projects of Mysore.

According to the Krishna Godavari Commission figures utilisation under Maharashtra projects in the Upper Bhima Sub-basin is as under :-

Particulars	Average annual diversion.	Estimated evaporation losses from reservoirs and Tanks.	Total
	<u>TMC</u>	<u>TMC</u>	<u>TMC</u>
Uses as in 1951	79.9	9.9	89.8
Development since 1951	51.4	7.2	58.6
Proposed Developments.	158.5	49.1	207.6
Total	290.0	66.0	356.0

-3-

It is seen from the above, that the proposed total utilisation is 356 TMC, against the average yield estimated by the Krishna Godavari Commission of 400 TMC leaving a balance of 44 TMC below the Maharashtra border. If the scope of the Bhima project of Maharashtra is enlarged as now done, from 42 TMC given in KGC report to 90 TMC as cleared by CW&PC the utilisation by Maharashtra goes up from 356 TMCFT to ~~402~~ 404 TMC and no supplies will be available to Mysore for the Bhima lift irrigation scheme and the Bhima Irrigation Scheme.

In fact 400 TMC is the average yield and the 75% dependable yield will be 25% to 30% less than the average and hence the situation will be still more grave than made out above.

Mysore Government have cause for alarm at Maharashtra's exclusive appropriation of the Bhima waters and have therefore to urge on the Government of India to stay the Maharashtra projects in the Bhima valley.

(ii) Upper Krishna Project:-

The quantity of water available at Upper Krishna project site is as under:

The total yield at Siddapur is 828 T.M.C. as per the Upper Krishna Project report based on KGC report. The upstream abstraction is 644 TMC for all present and future projects but excluding future west-ward diversion. Therefore, the balance yield available at Siddapur is 184 TMC.

The total water requirement for the Upper Krishna Project as per the project report is 375 TMC as against the available yield of 184 TMC and thus there will be a deficit of 191 TMC even if we presume that there will be no further westward diversion by Maharashtra.

(iii) Bijapur Lift Irrigation Scheme :-

Similarly for the Bijapur lift irrigation scheme of Mysore across the Krishna river the water available as per KGC figures will be as under :-

Average yield from the Upper
Krishna Sub-basin (K_1) = 550TMC.

Average annual diversion in = 526TMC.
that basin as per KGC report
including present and proposed
westward diversion.

Balance available for downstream = 24 TMC.
utilasation.

The requirement of water for Bijapur lift irrigation scheme is 120 TMC which is more than the balance available. Hence this requirement of Bijapur Lift irrigation scheme can only be met with if future westward diversion of 222 TMC by Maharashtra is disallowed.

(iv) Upper Tungabhadra and Tunga Projects :-

It is stated that doubts were expressed at the discussions regarding availability of water for Upper Tungabhadra and Tunga Projects. The position regarding this, is analysed below and

... contd.

and it can be seen therefrom that water is available for these projects even after making the requisite quantity of water available at Tungabhadra dam as per 1944 agreement.

The quantity of water available after meeting the requirements of schemes in Tungabhadra sub-basin is as under:-

Long term average yield at T.B. Dam
as assessed by K.G.C.

433 TMC.

Requirements of existing schemes :-

1. Anjanapur Reservoir Project:	..	2.2 T.M.C.
2. Tunga Anicut Scheme:	..	11.50 TMC
3. Bhadra Reservoir Project:	..	57.00 "
4. Ambligola Reservoir Project:	..	1.32 "
5. Jambadahalla Project:	..	0.60 "
6. Dharma Project:	..	1.60 "
7. Hagaribommanahalli	..	1.97 "
8. Water supply to towns and Industries	..	2.00 "

		78.19 "

Say	..	78 T.M.C.

There are five schemes proposed upstream of Tunga-bhadra dam. These schemes together with their water requirements is as below :-

1. Madag Masur Project	..	2.50 TMC
2. Varada flood control-cum-irrigation Project	..	7.20 TMC
3. Dandavathy Project	..	2.50 TMC
4. Lift Irrigation Schemes	..	3.00 TMC
5. Water supply to towns and Industries	..	2.00 TMC
6. Bhadra Anicut channels	..	2.50 TMC
7. Upper Tungabhadra Project	..	29.00 TMC
8. Tunga Reservoir Project	..	60.00 TMC

Total	...	108.7 TMC

Say		109 TMC.

Requirement for existing schemes :		78 TMC.
Requirement for future projects :		109 TMC.

The balance quantity of water available at Tungabhadra dam would be = $433 - (78+109) = 246$ TMC.

Quantity of water to be made
available at Tungabhadra Dam
as per 1944 agreement.

256 TMC

The marginal difference of 10 TMC can very easily be expected as regeneration from upstream utilisations.

Hence it is seen that there is adequate water available for Upper Tungabhadra and Tunga Projects based on long term

... Contd

term average yield even after allowing 256 TMC of water at Tungabhadra Dam as per 1944 agreement.

(5) Details for the water requirement for future minor Schemes and Industrial and domestic uses:-

Details for the break up of 130 TMC for Minor schemes and 120 TMC for Industrial and domestic uses may kindly be obtained from the Chief Engineer (General), who is dealing with these schemes. This office also has addressed him in the matter.

For future medium schemes 57 TMC of water is needed. Please vide list enclosed for scheme-wise breadup.

(6) Basic principles for allocation of the river Waters:-

The principles enuchiated are genexally acceptable.

D.C. signed by C.E.

Sd/-
for Chief =Engineer,PWD,
Investigation of HE&IP.
